

Features, Attributes, Defaults, Domains, Relationships

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

AGDM v2.1 Draft v2_1draft

AdministrativeBoundary (Line 00)

Feature AdministrativeBoundary (Line 00)

New ☐ Administrative Boundary

A boundary between administratively controlled regions.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
BGN Administrative Level	1	No Information	Enumeration	Unitless	0	The level of an administrative division of a country as established by the U.S. Board on Geographic Names (BGN). [Description] The BGN is a management body established to maintain uniform geographic name usage throughout the U.S. Government.
<i>allowed values:</i>			No Information			Other
First-order						Second-order
Third-order						
Boundary Dispute Type	1	No Information	Enumeration	Unitless	0	The type of dispute, if any, concerning a boundary.
<i>allowed values:</i>			De Jure			In Dispute
De Facto						No Information
Undisputed						
Boundary Representation Policy	1	No Information	Enumeration	Unitless	0	An official (for example: by a State Department or Foreign Office) interpretation of a boundary status to be reflected in the portrayal of that boundary.
<i>allowed values:</i>			Definite			In Dispute
Administrative as International						Indefinite
No Information			Other			Show No Line
Boundary Status	1	No Information	Enumeration	Unitless	0	The status of delimitation of a boundary.
<i>allowed values:</i>			In Dispute			Indefinite
Definite						No Defined Boundary
No Information						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i>			Insular			International
Civilian						Joint Military and Civilian
Military			Municipal			No Information
Other			Private			State
Tribal						
New Feature Code	1	FA000	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i>						FA000
Geopolitical Entity : Geographic Name Information (1) : Full Name (first side)	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i>			No Information			
<i>allowed values:</i>			No Information			
Geopolitical Line Type	1	No Information	Enumeration	Unitless	0	The type of a geopolitical dividing line (for example: a boundary or a line of separation) based on the nature of its establishment and/or recognition.
<i>allowed values:</i>			Cease Fire Line			Claim Line
Armistice Line			Generic Administrative Boundary			Convention Line
Demarcation Line			Line of Adjacency			Intercolonial Line
Interentity Line			Military Disengagement Line			Line of Convenience
Line of Withdrawal			Treaty Line			No Information
Provisional Administrative Line						UNCLOS Claim Boundary
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i>			Accurate			Doubtful
			Approximate			No Information

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999						
Maritime Geopolitical Limit Type	3	No Information	Enumeration	Unitless	0	The type of a maritime geopolitical dividing line (limit) based on the nature of its establishment and/or recognition. [Description] Generally established and recognized in accordance with International Law (for example: the United Nations Convention on the Law of the Sea (UNCLOS)).
allowed values: Contiguous Zone Limit Extended Continental Shelf Limit Territorial Sea Baseline			Continental Shelf Limit International Boundary Territorial Waters Limit of Sovereignty			Customs Boundary No Information Three Nautical Mile Limit Exclusive Economic Zone Limit Other
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geopolitical Entity : Geographic Name Information (1) : Name Identifier (first side)	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
allowed values: No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values: Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)			Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Relationships: AdministrativeBoundary (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 AdministrativeBoundary (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 AdministrativeBoundary (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 AdministrativeBoundary (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 AdministrativeBoundary (Line 00) - is a member of group - Exactly one - BoundaryCrv (FeatureGroup 00)
 AdministrativeBoundary (Line 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 AdministrativeBoundary (Line 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
 AdministrativeBoundary (Line 00) - is an extended member of configuration level - Exactly one - TDSLLocal (Feature 00)
 AdministrativeBoundary (Line 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature AdministrativeDivision (Area 00)

New ☐ Administrative Division

A subordinate administrative division (for example: a (US) state, a (UK) county, a (US) township, a (CA) province, a (FR) arrondissement, a (CH) canton, a (GE) laender and a (FR) commune) of a geopolitical entity (for example: a State). [Description] Geopolitical entities are generally divided into first-, second- and lower-order administrative divisions. With only minor exceptions (for example: Egypt-Sudan and Kenya-Sudan), the boundaries of these administrative divisions are contiguous with international boundaries. In rarer instances, the boundaries of these administrative divisions serve in lieu of international boundaries (for example: Ethiopia-Somalia and the former Oman-UAE boundaries).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999

BGN Administrative Level	1	No Information	Enumeration	Unitless	0	The level of an administrative division of a country as established by the U.S. Board on Geographic Names (BGN). [Description] The BGN is a management body established to maintain uniform geographic name usage throughout the U.S. Government.
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allowed values: First-order
Second-order
Fourth-order
Third-order
No Information
Undifferentiated
Other

Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
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allowed values: Civilian
Municipal
Private
International
National
State
Joint Military and Civilian
No Information
Military
Other

New Feature Code	1	FA003	CONSTRAINED_ STRING	Unitless	5	Feature Code
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allowed values: FA003

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

Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
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allowed values: Accurate
Approximate
Doubtful
No Information

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

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Special Administrative Unit	1	No Information	Enumeration	Unitless	0	The basis for a special administrative division of a geopolitical entity. [Description] For example, for economic development, postal service, utility provision, or data collection.
<i>allowed values:</i>						
Army Corps of Engineers District			Army Corps of Engineers Division			Border Patrol Sector
Coast Guard Sector			Concession Area			Congressional District
Environmental Protection Agency Region			FBI Field Office Jurisdiction			FBI Resident Agency District
Federal Emergency Management Agency Region			Federal Energy Regulatory Commission Region			Free Trade Zone
Native American Reservation			No Information			Postal District
Water Management District						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						

Relationships: AdministrativeDivision (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 AdministrativeDivision (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 AdministrativeDivision (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 AdministrativeDivision (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 AdministrativeDivision (Area 00) - is a member of group - Exactly one - BoundarySrf (FeatureGroup 00)
 AdministrativeDivision (Area 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 AdministrativeDivision (Area 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
 AdministrativeDivision (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 AdministrativeDivision (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature AerationBasin (Area 00)New ☐ Aeration Basin

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre		The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999						
New Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre		The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999						
New Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density		The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999						
New Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre		The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information			Non-operational	Not in Operation		
<i>Partially Operational</i>			Planned	Temporarily Non-operational		
				<i>Operational</i>		
New Feature Code	1	AB040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AB040						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
New Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre		The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.

<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False			No Information		True	
New Water Resource Information : pH of Water	1	-999999	Real	Milligrams per Litre		The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
<u>allowed values:</u> -999999						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation Intact Under Construction	
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)						
Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)						
Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)						
Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<u>allowed values:</u> No Information						

Specified Domain Values(s)							1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<u>allowed values:</u> No Information												
New	Water Resource Information : Sulfate Concentration		1	-999999	Real	Milligrams per Litre						The mass of sulfate ions per volume of solution.
<u>allowed values:</u> -999999												
New	Water Resource Information : Temperature		1	-999999	Real	Degree Celsius						The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<u>allowed values:</u> -999999												
New	Water Resource Information : Total Dissolved Solids		1	-999999	Real	Milligrams per Litre						The total mass of dissolved inorganic chemical constituents per volume of solution.
<u>allowed values:</u> -999999												
New	Water Resource Information : Turbidity		1	-999999	Real	Nephelometric Turbidity Units						The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<u>allowed values:</u> -999999												
Unique Entity Identifier							1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<u>allowed values:</u> No Information												
Volume							1	-999999	REAL	Cubic Metre		The volume of a feature. [Description] For example, the storage capacity of a water tower.
<u>allowed values:</u> -999999												
New	Water Resource Information : Water Conductivity		1	-999999	Real	MicroSiemens per Centime						The electrical conductivity of water.
<u>allowed values:</u> -999999												
New	Water Resource Information : Water Hardness		1	-999999	Real	Milligrams per Litre						The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
<u>allowed values:</u> -999999												
Water Resource Information : Water Type							1	No Information	Enumeration	Unitless		The type of available water based on its composition.
<u>allowed values:</u> Alkaline Mineral Saline									Brackish No Information Seawater	Brine Not Applicable		Fresh Other
Width							1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<u>allowed values:</u> -999999												

Relationships: AerationBasin (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 AerationBasin (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 AerationBasin (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 AerationBasin (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 AerationBasin (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 AerationBasin (Area 00) - is a member of group - Exactly one - IndustrySrf (FeatureGroup 00)

Feature Aerial (Point 00)New ☐ Aerial

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Military Other Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AT011	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AT011						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Height of Object	1	-999999	REAL	Metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>			Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.
<i>allowed values:</i> False			No Information			True

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
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allowed values: No Information

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

Cellular Phone
Other
Television (TV)

Microwave Radio Relay
Radio Broadcast

Mobile Phone
Radio Telephone

No Information
Radio-telegraph

Relationships: Aerial (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
Aerial (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
Aerial (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
Aerial (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
Aerial (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
Aerial (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
Aerial (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
Aerial (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
Aerial (Point 00) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup 00)

Feature AerialFarm (Area 00)

New ☐ Aerial Farm

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<u>allowed values:</u> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AT012	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AT012						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<u>allowed values:</u> Main Telephone Exchange Satellite Telecommunications Television Broadcasting			No Information Scientific Research and Development Wired Telecommunications			Other Signalling Wireless Telecommunications Radio Broadcasting Telecommunications
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: AerialFarm (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 AerialFarm (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 AerialFarm (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 AerialFarm (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 AerialFarm (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 AerialFarm (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 AerialFarm (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 AerialFarm (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 AerialFarm (Area 00) - is a member of group - Exactly one - UtilityInfrastructureSrf (FeatureGroup 00)

Feature AerialFarm (Point 00)

New ☐ Aerial Farm

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<u>allowed values:</u> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AT012	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AT012						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<u>allowed values:</u> Main Telephone Exchange Satellite Telecommunications Television Broadcasting			No Information Scientific Research and Development Wired Telecommunications			Other Signalling Wireless Telecommunications Radio Broadcasting Telecommunications
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: AerialFarm (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 AerialFarm (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 AerialFarm (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 AerialFarm (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 AerialFarm (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 AerialFarm (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 AerialFarm (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 AerialFarm (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 AerialFarm (Point 00) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup 00)

Feature AerodromeBeacon (Point 00)

New ☐ Aerodrome Beacon

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aerodrome : Aerodrome Identifier	1	No Information	String	Unitless	14	The unique identifier of an aerodrome, heliport or seaplane base. [Description] It may used to relate information about components (for example: runways, helipads, taxiways, and aprons) of the aerodrome, heliport or seaplane base to each other and to the overall facility.
allowed values: No Information						
Character of Light	1	No Information	String	Unitless	80	The characteristic description of a maritime light or lights at one geographic position that includes its class, number and color(s) of flashes or occultations. [Description] This text is structured as it traditionally has been represented on a paper chart.
allowed values: No Information						
Conspicuous Sea Category	1	No Information	Enumeration	Unitless	0	The manner in which an object is conspicuous when viewed from the sea. [Description] A conspicuous feature is easily detected and identified under varying conditions (for example: lighting). Factors affecting conspicuousness include size, shape, and/or height.
allowed values: No Information Visual and Radar			Not Conspicuous			Radar Visual
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
allowed values: Civilian Other			Joint Military and Civilian Private			Military Public No Information
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a facility, as a whole.
allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	GB013	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: GB013						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values: No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.

<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Light Characteristic Number	1	-999999	Integer	Unitless	0	The number of flashes/occultations in a group flashing/occulting light character.
<u>allowed values:</u> -999999						
Light Visibility	3	No Information	Enumeration	Unitless	0	The type of specific visibilities of a light based on the light's intensity and ease of recognition.
<u>allowed values:</u> Faint No Information Unintensified			High Intensity Obscured Visibility Deliberately Restricted			Intensified Other Low Intensity Partially Obscured
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Light Characteristic	1	No Information	Enumeration	Unitless	0	The sequence, grouping, and/or distinctive character (rythm and colour or colours) of a navigation light.
<u>allowed values:</u> Alternating Fixed with Alternating Flashing Group Quick-flashing Interrupted Very Quick-flashing Morse Code Occulting Flashing Ultra Quick-flashing with Long-flash			Fixed Flashing Group Very Quick-flashing Isophase No Information Quick-flashing Very Quick-flashing			Fixed and Flashing Flashing Alternating Interrupted Quick-flashing Long-flashing Occulting Quick-flashing with Long-flash Very Quick-flashing with Long-flash Fixed Long-flashing Flashing with Long-flash Interrupted Ultra Quick-flashing Long-flashing Alternating Occulting Alternating Ultra Quick-flashing
Period of Light	1	-999999	REAL	Second	0	The time occupied by an entire cycle of intervals of light and eclipse.
<u>allowed values:</u> -999999						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.

allowed values: No Information

Relationships: AerodromeBeacon (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
AerodromeBeacon (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
AerodromeBeacon (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
AerodromeBeacon (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
AerodromeBeacon (Point 00) - is a member of group - Exactly one - AeronauticPnt (FeatureGroup 00)
AerodromeBeacon (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
AerodromeBeacon (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature AeroNavaid (Point 00)New ☐ Aeronautical NAVAID**Any visual or electronic device that provides aeronautical guidance information or position data.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
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Aerodrome : Aerodrome Identifier	1	No Information	String	Unitless	14	The unique identifier of an aerodrome, heliport or seaplane base. [Description] It may used to relate information about components (for example: runways, helipads, taxiways, and aprons) of the aerodrome, heliport or seaplane base to each other and to the overall facility.
<u>allowed values:</u> No Information						
Aeronautical Miscellaneous Function Category	1	No Information	Enumeration	Unitless	0	Miscellaneous aeronautical functions not belonging to other categories.
<u>allowed values:</u> Decoy			No Information		Terminus/Terminal	
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<u>allowed values:</u> False			No Information		True	
Aeronautical Radio Navigation Service Name	1	No Information	String	Unitless	80	The textual designation given to a feature by a responsible authority.
<u>allowed values:</u> No Information						
Aeronautical Route Category	1	No Information	Enumeration	Unitless	0	The category of aeronautical route with which a waypoint or NAVAID is associated.
<u>allowed values:</u> Both			High		Low No Information	
Aeronautical Service Operational Status	1	No Information	Enumeration	Unitless	0	The availability of an aeronautical navigation or communication service, as a category.
<u>allowed values:</u> Conditional In Construction Limited Unreliable			Displaced Intermittent No Information Unserviceable		False Indication Definite Interrupt On-Test Withdrawn False Indication Possible Irregular Operational	
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Base Elevation	1	-999999	REAL	Metre	0	The vertical distance from a specified vertical datum to the terrain surface of or at the base of the feature. [Description] If the feature is not supported above the surface by another feature then the base of the feature is usually located at ground or water level on the downhill/downstream side. For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). In the case of a survey marker (monument) this is usually the elevation assigned to the marker (monument).
<u>allowed values:</u> -999999						
Broadcast Frequency	1	-999999	Integer	Hertz	0	The transmission frequency of a radio communications device (for example: a television station or a radiobeacon).
<u>allowed values:</u> -999999						
Channel Number	1	-999999	Integer	Unitless	0	The channel representing the frequency assigned by the controlling authority.
<u>allowed values:</u> -999999						
Characters Emitted	1	No Information	String	Unitless	80	The character(s) that are being emitted by a signalling device (for example: a light, a beacon, or a communications transmitter). [Description] May be in the form of Morse code, however on 1 February 1999 Morse code was withdrawn from use and was replaced by the Global Maritime Distress and Safety System.
<u>allowed values:</u> No Information						
Collection	1	No Information	Boolean	Unitless	0	An indication that a feature instance is, or may be, representing more than a single feature of the same type as a collection. [Description] May be used when delineating individual features of the same type within a region that may or may not meet inclusion conditions to be delineated individually. For example, the Finger Lakes in North America is a collection of (multiple) Lake features but may be collected as a single feature instance at a small extraction scale.
<u>allowed values:</u> False			No Information		True	
Commissioned Status	1	No Information	Enumeration	Unitless	0	The status of a facility based on test, operation, and commissioning.
<u>allowed values:</u> Commissioned and on Test Not Commissioned and Out of Service			Commissioned and Operational On Test but Not Commissioned		Commissioned but Out of Service Operational but Not Commissioned No Information	

DIAM Functional Classification	1	No Information	String	Unitless	14	The functional classification code for facilities as specified by DIA Manual (DIAM) 65-3-1 and encoded by the data element CATEGORY as required by DoD Directive 5105.21. [Description] Function classification codes provide a hierarchical structure for defining the detailed purpose of a facility. The Joint Chiefs of Staff (JCS) defines a facility as 'a real property performing a unique function and consisting of one or more of the following components: buildings, structures or equipment', for example: storage tanks or a pumping house. The JCS defines an installation as 'a group of facilities, or facility, in a specific geographic area which support a general functional purpose', for example: a petroleum production plant composed of all of its associated refining operations, blending operations, pumping houses and storage tanks all located within the fence line of the petroleum plant.
<i>allowed values:</i> No Information						
Directivity	1	No Information	Enumeration	Unitless	0	The side(s) of a feature that produce the greatest visual significance and/or reflectivity potential.
<i>allowed values:</i> Bidirectional			<i>No Information</i>			Omnidirectional Unidirectional
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	GA035	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> GA035						
Feature Count	1	-999999	Integer	Unitless	0	The number of features of the same type within a defined region. [Description] May be used to indicate the number of features actually present in near proximity to each other although only one representative feature is collected. For example, the number of adjacent pipelines.
<i>allowed values:</i> -999999						
Frequency Protection Altitude	1	-999999	Integer	TBD	0	The altitude within which frequency reception is assumed to be interference-free.
<i>allowed values:</i> -999999						
Frequency Protection Distance	1	-999999	Integer	TBD	0	The distance within which frequency reception is assumed to be interference-free.
<i>allowed values:</i> -999999						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Glide Slope Angle	1	-999999	REAL	Arc Degree	0	Glide slope angle in degrees.
<i>allowed values:</i> -999999						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
ICAO Location Indicator	1	No Information	String	Unitless	14	The identifier that is assigned to a location in accordance with rules prescribed by the International Civil Aviation Organization (ICAO) in Document 7910. [Description] If available this indicator shall be used as primary for identification.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Location Referenced to Shoreline	1	No Information	Enumeration	Unitless	0	The location of an object in relation to a land water boundary.

			Inland			No Information	Offshore
allowed values:	At Shoreline						
Magnetic Variation	1	-999999	REAL	Arc Degree	0	The angular difference between True North and Magnetic North measured at a given position and date. [Description] The value given indicates whether the angular difference is East (positive) or West (negative) of True North. True North is the direction of the northern point at which the geographic meridian lines meet.	
allowed values:	-999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
allowed values:	No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
allowed values:	No Information						
NAVAID Class	1	No Information	Enumeration	Unitless	0	Classification of NAVAIDS in terms of altitude, distance, and transmission power. [Description] Indicates normal altitude/range combinations for interference-free service.	
allowed values:	High Power NDB No Information		Low Power Compass Locator Normal anticipated interference-free service below 18,000 feet - 40NM; 14,500-17,999 feet - 100NM (contiguous 48 states only); 18,000 feet to FL450 - 130NM; above FL450 -100NM			Low Power NDB Normal anticipated interference-free service, 25NM up to 12,000 feet	Medium Power NDB Normal anticipated interference-free service, 40NM up to 18,000 feet
NAVAID Key	1	-999999	Integer	Unitless	0	System generated key to distinguish between same type NAVAIDS with same IDENT and same country code.	
allowed values:	-999999						
NAVAID Power	1	-999999	Integer	TBD	0	NAVAID facility radiated power.	
allowed values:	-999999						
Navigation System Type	3	No Information	Enumeration	Unitless	0	The type(s) of equipment or system used in electronic navigation.	
allowed values:	Airport Surveillance Radar (ASR) Localizer (LOC) Back Course Marker Long Range Air Navigation System (LORAN) Microwave Landing System (MLS) Elevation Other Radar Unspecified Radio Beacon		Distance Measuring Equipment (DME) Localizer (LOC) with Distance Measuring Equipment (DME) (LOC/DME) Marker Radio Beacon (MKR) No Information Outer Marker (OM) Radar Antenna VHF Omnidirectional Radio Beacon (VOR)			Fan Marker (FM) Locator Middle Marker (LMM) Microwave Landing System (MLS) Non-Directional Radio Beacon (NDB) PAR Touchdown Reflector Simplified Directional Facility (SDF) VHF Omnidirectional Radio Beacon (VOR) with Distance Measuring Equipment (DME) (VOR/DME)	Localizer (LOC) Locator Outer Marker (LOM) Microwave Landing System (MLS) Azimuth Non-Directional Radio Beacon (NDB) with Distance Measuring Equipment (DME) (NDB/DME) Precision Approach Radar (PAR) Tactical Air Navigation Aid (TACAN) VHF Omnidirectional Radio Beacon (VOR) with Tactical Air Navigation Aid (TACAN) (VORTAC)
Permanent	1	No Information	Boolean	Unitless	0	An indication that a feature is permanent. [Description] Temporary features last, or are meant to last, for a limited time only.	
allowed values:	FALSE		No Information			TRUE	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.	
allowed values:	Damaged No Information Unmaintained		Destroyed Ruined			Dismantled Site Preparation	Intact Under Construction
Primary Operating Range	1	-999999	REAL	Nautical Mile	0	The primary range of the NAVAID beyond which the capture of the signal is not completely assured.	
allowed values:	-999999						
Radar Antenna Configuration	1	No Information	Enumeration	Unitless	0	The physical mounting and/or configuration of a radar antenna.	
allowed values:	Dome Enclosed Radome on Tower		No Information Tower Mounted			Other	Radome
Radar Significance	1	No Information	Enumeration	Unitless	0	The predominant exposed surface material, categorized by its significance to radar-based sensors.	
allowed values:	Composition No Information		Earthen Other			Masonry Part Metal	Metal
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	

allowed values: U

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u>	<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<u>allowed values:</u> No Information						
Runway Direction : Runway Designator	1	No Information	String	Unitless	14	The designator of the runway that is used to uniquely identify it at an aerodrome. [Description] This may be used to identify either both directions of the runway (for example: '09/27' or '02R/20L') or one direction independently (for example: '27', '35L', '01R').
<u>allowed values:</u> No Information						
Slaved Variation	1	-999999	REAL	TBD	0	A fixed value of magnetic declination applied within an aid to navigation to the true direction in order to obtain the reported magnetic directions for radials, courses and headings. [Description] The value is fixed for a period of time and therefore may differ from the true declination due to subsequent drift of the Earth's magnetic field.
<u>allowed values:</u> -999999						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<u>allowed values:</u> No Information						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<u>allowed values:</u>	<div> Aluminum Iron Steel </div> <div> Ceramic Metal </div> <div> Concrete No Information </div> <div> Glass Reinforced Plastic (GRP) Other </div>					
Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.
<u>allowed values:</u> False						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
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allowed values: No Information

Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
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allowed values: Above Surface

No Information

On Surface

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: AeroNavaid (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 AeroNavaid (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 AeroNavaid (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 AeroNavaid (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 AeroNavaid (Point 00) - is a member of group - Exactly one - AeronauticPnt (FeatureGroup 00)
 AeroNavaid (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 AeroNavaid (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature AircraftHangar (Area 00)New ☐ Aircraft Hangar**A building for housing aircraft.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<u>allowed values:</u> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<u>allowed values:</u> False			No Information			True
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Attached Building	1	No Information	Boolean	Unitless	0	An indication that a building is physically contiguous (for example: shares a common wall) with one or more adjacent buildings.
<u>allowed values:</u> FALSE			No Information			TRUE
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> Civilian National State			International No Information			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	GB230	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> GB230						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.

<i>allowed values:</i>	Air Transport Dormitory No Information		Aircraft Repair Emergency Operations Other			Cargo Handling Emergency Shelter Out-patient Care	Dining Hall Meeting Place Warehousing and Storage
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.	
<i>allowed values:</i>	No Information						
Hangar Type Category	1	No Information	Enumeration	Unitless	0	Hangar design code.	
<i>allowed values:</i>	D - Double Bay No Information		G - Underground O - Open End			M - Multi-bay S - Single Bay	N - Nose In T - T-Shaped
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
<i>allowed values:</i>	-999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<i>allowed values:</i>	-999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.	
<i>allowed values:</i>	Accurate		Approximate			Doubtful	No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i>	-999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i>	No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i>	No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
<i>allowed values:</i>	False		No Information			True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.	
<i>allowed values:</i>	Damaged No Information Unmaintained		Destroyed Ruined			Dismantled Site Preparation	Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i>	U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	No Information						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.	
allowed values:	Conical Flat with Parapet Pitched with Clerestory With Clerestory With Steeple		Domed No Information Pyramidal With Cupola With Tower		Flat Other Sawtoothed With Minaret With Turret	Flat with Clerestory Pitched Semi-cylindrical With Smokestack	
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:	No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values:	No Information						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).	
allowed values:	Adobe Brick Metal Reinforced Concrete		Brick No Information Steel		Concrete Other Wood	Masonry Prestressed Concrete	
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.	
allowed values:	No Information						

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: AircraftHangar (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
AircraftHangar (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
AircraftHangar (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
AircraftHangar (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
AircraftHangar (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
AircraftHangar (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
AircraftHangar (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
AircraftHangar (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
AircraftHangar (Area 00) - is a member of group - Exactly one - AeronauticSrf (FeatureGroup 00)

Feature AircraftHangar (Point 00)

New ☐ Aircraft Hangar

A building for housing aircraft.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
allowed values: No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
allowed values: False			No Information			True
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
allowed values: -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
New Attached Building	1	No Information	Boolean	Unitless	0	An indication that a building is physically contiguous (for example: shares a common wall) with one or more adjacent buildings.
allowed values: FALSE			No Information			TRUE
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
allowed values: Civilian National State			International No Information			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	GB230	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: GB230						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
allowed values: Air Transport Dormitory No Information			Aircraft Repair Emergency Operations Other			Cargo Handling Emergency Shelter Out-patient Care Dining Hall Meeting Place Warehousing and Storage

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Hangar Type Category	1	No Information	Enumeration	Unitless	0	Hangar design code.
<i>allowed values:</i> D - Double Bay No Information			G - Underground O - Open End			M - Multi-bay S - Single Bay N - Nose In T - T-Shaped
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i> Accurate			Approximate			Doubtful No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
allowed values:	Conical Flat with Parapet Pitched with Clerestory With Clerestory With Steeple		Domed No Information Pyramidal With Cupola With Tower		Flat Other Sawtoothed With Minaret With Turret	Flat with Clerestory Pitched Semi-cylindrical With Smokestack
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
allowed values:	Adobe Brick Metal Reinforced Concrete		Brick No Information Steel		Concrete Other Wood	Masonry Prestressed Concrete
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values:	No Information					

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: AircraftHangar (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
AircraftHangar (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
AircraftHangar (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
AircraftHangar (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
AircraftHangar (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
AircraftHangar (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
AircraftHangar (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
AircraftHangar (Point 00) - is a member of group - Exactly one - AeronauticPnt (FeatureGroup 00)
AircraftHangar (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature AircraftRevetment (Line 00)

New ☐ Aircraft Revetment

A barricade that protects an aircraft, equipment, and/or facility from hostile action.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Delineation Known	1	No Information	Boolean	Unitless	0	An indication that the delineation (for example: limits and information) of a feature is known.
<i>allowed values:</i> FALSE			No Information			TRUE
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	GB050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> GB050						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i>	-999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i>	No Information					
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i>	Damaged No Information Unmaintained					Destroyed Ruined Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i>	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)					Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)
<i>allowed values:</i>	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)					Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i>	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i>	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.

allowed values: No Information

Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i>	Asphalt		Boulders		Brick	Concrete
	Coral Head		Glass		Masonry	Metal
	No Information		Other		Reinforced Concrete	Rubble
	Sand		Soil		Steel	Wood

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Usable Length	1	-999999	REAL	Metre	0	The interior length of a structure (for example: an aircraft bunker or a lock). [Description] The length is taken along the primary alignment of the structure. If the structure is irregular in shape the length is along its greatest horizontal dimension, else if the structure is regular in shape then a shape-specific rule may apply: for a rectangular structure, the length of the longer axis; for a round structure, the diameter.
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allowed values: -999999

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: AircraftRevetment (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 AircraftRevetment (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 AircraftRevetment (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 AircraftRevetment (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 AircraftRevetment (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 AircraftRevetment (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 AircraftRevetment (Line 00) - is a member of group - Exactly one - MilitaryCrv (FeatureGroup 00)

Feature Amphitheatre (Area 00)

New ☐ Amphitheatre

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i>	No Information					
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i>	-999999					
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i>	No Information					
			Non-operational			Not in Operation
			Planned			Temporarily Non-operational
<i>Partially Operational</i>						<i>Operational</i>
New Feature Code	1	AK164	CONSTRAINED_STRING	Unitless	5	Feature Code

allowed values: AK164

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

- Relationships:** Amphitheatre (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Amphitheatre (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Amphitheatre (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Amphitheatre (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Amphitheatre (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Amphitheatre (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Amphitheatre (Area 00) - is a member of group - Exactly one - RecreationSrf (FeatureGroup 00)

Feature Amphitheatre (Point 00)

New ☐ Amphitheatre

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<u>allowed values:</u> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AK164	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AK164						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.

<i>allowed values:</i> <i>Damaged</i> No Information <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>			<i>Dismantled</i> <i>Site Preparation</i>	<i>Intact</i> <i>Under Construction</i>
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i> <i>U</i>							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
<i>allowed values:</i> No Information							
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
<i>allowed values:</i> No Information							
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
<i>allowed values:</i> No Information							
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999							

Relationships: Amphitheatre (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Amphitheatre (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Amphitheatre (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Amphitheatre (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Amphitheatre (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Amphitheatre (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Amphitheatre (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Amphitheatre (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Amphitheatre (Point 00) - is a member of group - Exactly one - RecreationPnt (FeatureGroup 00)

Feature AmusementPark (Area 00) New ☐ Amusement Park

A predominantly man-made facility equipped with recreational devices.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AK030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK030						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Administration Aquarium Cinema Food Service Museum Opera House Religious Activities Retail Banking Sports, Amusement and Recreation			Adult Entertainment Auditorium Convenience Store Gambling Night Club Other Resort Hotel Security Enforcement Theatre			Amusement Banquet Hall Cultural, Arts and Entertainment Hotel No Information Out-patient Care Restaurant Specialized Store Transport Animal Boarding Botanical and/or Zoological Reserve Activities Dining Hall Market Non-specialized Store Recreation Restroom Sports Centre
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values: False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
allowed values: Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.

allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: AmusementPark (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 AmusementPark (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 AmusementPark (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 AmusementPark (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 AmusementPark (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 AmusementPark (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 AmusementPark (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 AmusementPark (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 AmusementPark (Area 00) - is a member of group - Exactly one - RecreationSrf (FeatureGroup 00)

Feature AmusementPark (Point 00)New ☐ Amusement Park**A predominantly man-made facility equipped with recreational devices.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<u>allowed values:</u> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AK030	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AK030						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.

<i>allowed values:</i>	Administration Aquarium Cinema <i>Food Service</i> Museum Opera House Religious Activities Retail Banking <i>Sports, Amusement and Recreation</i>	Adult Entertainment Auditorium Convenience Store Gambling Night Club <i>Other</i> Resort Hotel Security Enforcement Theatre	Amusement Banquet Hall <i>Cultural, Arts and Entertainment</i> Hotel <i>No Information</i> Out-patient Care Restaurant Specialized Store Transport	Animal Boarding Botanical and/or Zoological Reserve Activities Dining Hall Market Non-specialized Store Recreation Restroom Sports Centre		
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i>	<i>No Information</i>					
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i>	<i>-999999</i>					
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i>	<i>-999999</i>					
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i>	<i>-999999</i>					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i>	<i>No Information</i>					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i>	<i>No Information</i>					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i>	<i>False</i>		<i>No Information</i>		<i>True</i>	
New Physical Condition	1	No Information	Enumeration	Unitless	The physical state of a structure, or site, as a whole.	
<i>allowed values:</i>	<i>Damaged</i> <i>No Information</i> <i>Unmaintained</i>		<i>Destroyed</i> <i>Ruined</i>		<i>Dismantled</i> <i>Site Preparation</i> <i>Intact</i> <i>Under Construction</i>	
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i>	<i>U</i>					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: AmusementPark (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 AmusementPark (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 AmusementPark (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 AmusementPark (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 AmusementPark (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 AmusementPark (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 AmusementPark (Point 00) - is a member of group - Exactly one - RecreationPnt (FeatureGroup 00)

Feature AmusementParkAttraction (Area 00)

New ☐ Amusement Park Attraction

A large structure located in an amusement park.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights. <i>allowed values:</i> False No Information True
Amusement Attraction Type	1	No Information	Enumeration	Unitless	0	The type of an amusement park attraction based on its geometric form, appearance, configuration, and/or use. <i>allowed values:</i> Artificial Mountain Roller-coaster Ferris Wheel Spherical No Information Vertical Ride Other Water Attraction
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature. <i>allowed values:</i> -999999
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole. <i>allowed values:</i> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AK020	CONSTRAINED_STRING	Unitless	5	Feature Code <i>allowed values:</i> AK020
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end. <i>allowed values:</i> No Information
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself. <i>allowed values:</i> -999999
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof. <i>allowed values:</i> -999999
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter. <i>allowed values:</i> -999999
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length. <i>allowed values:</i> No Information
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information. <i>allowed values:</i> No Information
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air. <i>allowed values:</i> False No Information True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.

<i>allowed values:</i> <i>Damaged</i> No Information <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>			<i>Dismantled</i> <i>Site Preparation</i>	<i>Intact</i> <i>Under Construction</i>
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i> <i>U</i>							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
<i>allowed values:</i> No Information							
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
<i>allowed values:</i> No Information							
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
<i>allowed values:</i> No Information							
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.	
<i>allowed values:</i> No Information							

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: AmusementParkAttraction (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 AmusementParkAttraction (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 AmusementParkAttraction (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 AmusementParkAttraction (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 AmusementParkAttraction (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 AmusementParkAttraction (Area 00) - is a member of group - Exactly one - RecreationSrf (FeatureGroup 00)

Feature AmusementParkAttraction (Line 00)

New ☐ Amusement Park Attraction

A large structure located in an amusement park.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Amusement Attraction Type	1	No Information	Enumeration	Unitless	0	The type of an amusement park attraction based on its geometric form, appearance, configuration, and/or use.
<i>allowed values:</i> Artificial Mountain Roller-coaster			Ferris Wheel Spherical			No Information Vertical Ride Other Water Attraction
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AK020	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK020						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u>	-999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u>	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u>	False					No Information
New Physical Condition	1	No Information	Enumeration	Unitless		True
<u>allowed values:</u>	Damaged					Destroyed
	No Information					Dismantled
	Unmaintained					Intact
						Site Preparation
						Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u>	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)					Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)
						Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)
						Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u>	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.

allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: AmusementParkAttraction (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 AmusementParkAttraction (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 AmusementParkAttraction (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 AmusementParkAttraction (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 AmusementParkAttraction (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 AmusementParkAttraction (Line 00) - is a member of group - Exactly one - RecreationCrv (FeatureGroup 00)

Feature AmusementParkAttraction (Point 00)New ☐ Amusement Park Attraction**A large structure located in an amusement park.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<u>allowed values:</u> False			No Information			True
Amusement Attraction Type	1	No Information	Enumeration	Unitless	0	The type of an amusement park attraction based on its geometric form, appearance, configuration, and/or use.
<u>allowed values:</u> Artificial Mountain Roller-coaster			Ferris Wheel Spherical			No Information Vertical Ride Other Water Attraction
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AK020	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AK020						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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AmusementParkAttraction (Point 00)

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: AmusementParkAttraction (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 AmusementParkAttraction (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 AmusementParkAttraction (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 AmusementParkAttraction (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 AmusementParkAttraction (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 AmusementParkAttraction (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 AmusementParkAttraction (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 AmusementParkAttraction (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 AmusementParkAttraction (Point 00) - is a member of group - Exactly one - RecreationPnt (FeatureGroup 00)

Feature Anchor (Point 00) New ☐ Anchor

Device normally placed on the sea bottom and attached to a cable or rope used to position a vessel, boat, or any other floating structure.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	BB019	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BB019						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: Anchor (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Anchor (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Anchor (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Anchor (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Anchor (Point 00) - is a member of group - Exactly one - PortHarbourPnt (FeatureGroup 00)
 Anchor (Point 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Anchor (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
 Anchor (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 Anchor (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature Anchorage (Area 00) New ☐ Anchorage

An area where vessels anchor or may anchor.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999

Facility Operational Status		1	No Information	Enumeration	Unitless	The status of operation of a facility, as a whole.		
allowed values:		No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational <i>Operational</i>		
New	Feature Code	1	BB010	CONSTRAINED_ STRING	Unitless	5	Feature Code	
allowed values:		BB010						
Geographic Name Information : Full Name		1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.	
allowed values:		No Information						
Hydrographic Depth		1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.	
allowed values:		-999999						
Note : Memorandum		1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
allowed values:		No Information						
Geographic Name Information : Name Identifier		1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
allowed values:		No Information						
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.	
allowed values:		Damaged No Information Unmaintained		Destroyed Ruined		Dismantled Site Preparation Intact Under Construction		
Restriction Information : Security Attributes Group (resource classification)		1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
allowed values:		U						
Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:		Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:		No Information						

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: Anchorage (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Anchorage (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Anchorage (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Anchorage (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Anchorage (Area 00) - is a member of group - Exactly one - PortHarbourSrf (FeatureGroup 00)
 Anchorage (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 Anchorage (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature Anchorage (Point 00) New ☐ Anchorage

An area where vessels anchor or may anchor.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational						
New Feature Code	1	BB010	Non-operational Planned CONSTRAINED_STRING	Unitless	5	Not in Operation Temporarily Non-operational Feature Code
<i>allowed values:</i> BB010						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.

allowed values: *Damaged*
No Information
Unmaintained

Destroyed
Ruined

Dismantled
Site Preparation

Intact
Under Construction

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: <i>U</i>						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:						
Army Geographic Agency (Netherlands)						Army Geographic Centre (Spain)
Defence Acquisition and Logistics Organization (Denmark)						Defence Geographic Centre Intelligence Collection Group (United Kingdom)
General Command of Mapping (Turkey)						Geographic Service (Belgium)
Geospatial Intelligence Organisation (New Zealand)						Hellenic Military Geographic Service (Greece)
Mapping Service (Hungary)						Military Geographic Group (Estonia)
Military Mapping Centre (Lithuania)						Military Topographic Directorate (Romania)
No Information						Other
Topographic Service (Finland)						U.S. Africa Command (USAFRICOM)
U.S. Army Geospatial Center (AGC)						U.S. Central Command (USCENTCOM)
U.S. Defense Intelligence Agency (DIA)						U.S. Department of Energy (DOE)
U.S. European Command (USEUCOM)						U.S. Federal Bureau of Investigation (FBI)
U.S. Marine Corps						U.S. National Civil Applications Program (NCAP)
U.S. National Reconnaissance Office (NRO)						U.S. National Security Agency (NSA)
U.S. Pacific Command (PACOM)						U.S. Southern Command (USSOUTHCOM)
U.S. Transportation Command (USTRANSCOM)						
Army Geographic Institute (Portugal)						Bundeswehr Geoinformation Office (Germany)
Defence Imagery and Geospatial Organisation (Australia)						Defense Information Security (Italy)
Geographic Service of the Czech Armed Forces (Czech Republic)						Geospatial Information Agency (Latvia)
Joint Geography Bureau (France)						Mapping and Charting Establishment (Canada)
Military Geographic Service (Norway)						Military Geography Division (Poland)
Military Topographic Service (Bulgaria)						National Army Topographic Service (Moldova)
Swedish Armed Forces (Sweden)						Topographic Institute (Slovakia)
U.S. Air Force						U.S. Army
U.S. Central Intelligence Agency (CIA)						U.S. Coast Guard
U.S. Department of Homeland Security (DHS)						U.S. Department of State
U.S. Geological Survey (USGS)						U.S. Joint Forces Command (USJFCOM)
U.S. National Geospatial-Intelligence Agency (NGA)						U.S. National Oceanic and Atmospheric Administration
U.S. Navy						U.S. Northern Command (USNORTHCOM)
U.S. Special Operations Command (USSOCOM)						U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						

Relationships: Anchorage (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Anchorage (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Anchorage (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Anchorage (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Anchorage (Point 00) - is a member of group - Exactly one - PortHarbourPnt (FeatureGroup 00)
 Anchorage (Point 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Anchorage (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
 Anchorage (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 Anchorage (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature AnnotatedLocation (Area 00) New ☐ Annotated Location

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

	Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New	Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
	<i>allowed values:</i> -999999						
	Average Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	<i>allowed values:</i> [-999999, -999999]			No Information			
New	Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i> -999999						
New	Feature Code	1	ZD045	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> ZD045						
	Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
	Geographic Name Type	3	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Other			Historical Transliterated Provisional			Native Transliterated Unverified Transliterated No Information Variant Transliterated
	Hydrologic Persistence	1	No Information	Enumeration	Unitless		The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<i>allowed values:</i> Dry Perennial			Ephemeral			Intermittent No Information
New	Least Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.

<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
New Water Resource Information : pH of Water	1	-999999	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
<u>allowed values:</u> -999999						
Predominant Average Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average water velocity, exclusive of high water due to runoff or low water due to drought.
<u>allowed values:</u> [-999999, -999999]			No Information			
Predominant Maximum Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<u>allowed values:</u> [-999999, -999999]			No Information			
Predominant Maximum Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.
<u>allowed values:</u> [-999999, -999999]						
Predominant Minimum Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<u>allowed values:</u> [-999999, -999999]			No Information			
Predominant Minimum Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average minimum (seasonal low water) water velocity, exclusive of high water due to runoff or low water due to drought.
<u>allowed values:</u> [-999999, -999999]						
Predominant Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<u>allowed values:</u> [-999999, -999999]			No Information			
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u>						
Army Geographic Agency (Netherlands)		Army Geographic Centre (Spain)		Army Geographic Institute (Portugal)		Bundeswehr Geoinformation Office (Germany)
Defence Acquisition and Logistics Organization (Denmark)		Defence Geographic Centre Intelligence Collection Group (United Kingdom)		Defence Imagery and Geospatial Organisation (Australia)		Defense Information Security (Italy)
General Command of Mapping (Turkey)		Geographic Service (Belgium)		Geographic Service of the Czech Armed Forces (Czech Republic)		Geospatial Information Agency (Latvia)
Geospatial Intelligence Organisation (New Zealand)		Hellenic Military Geographic Service (Greece)		Joint Geography Bureau (France)		Mapping and Charting Establishment (Canada)
Mapping Service (Hungary)		Military Geographic Group (Estonia)		Military Geographic Service (Norway)		Military Geography Division (Poland)
Military Mapping Centre (Lithuania)		Military Topographic Directorate (Romania)		Military Topographic Service (Bulgaria)		National Army Topographic Service (Moldova)
No Information		Other		Swedish Armed Forces (Sweden)		Topographic Institute (Slovakia)
Topographic Service (Finland)		U.S. Africa Command (USAFRICOM)		U.S. Air Force		U.S. Army
U.S. Army Geospatial Center (AGC)		U.S. Central Command (USCENTCOM)		U.S. Central Intelligence Agency (CIA)		U.S. Coast Guard
U.S. Defense Intelligence Agency (DIA)		U.S. Department of Energy (DOE)		U.S. Department of Homeland Security (DHS)		U.S. Department of State
U.S. European Command (USEUCOM)		U.S. Federal Bureau of Investigation (FBI)		U.S. Geological Survey (USGS)		U.S. Joint Forces Command (USJFCOM)
U.S. Marine Corps		U.S. National Civil Applications Program (NCAP)		U.S. National Geospatial-Intelligence Agency (NGA)		U.S. National Oceanic and Atmospheric Administration
U.S. National Reconnaissance Office (NRO)		U.S. National Security Agency (NSA)		U.S. Navy		U.S. Northern Command (USNORTHCOM)
U.S. Pacific Command (PACOM)		U.S. Southern Command (USSOUTHCOM)		U.S. Special Operations Command (USSOCOM)		U.S. Strategic Command (USSTRATCOM)
U.S. Transportation Command (USTRANSCOM)						

	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
	<u>allowed values:</u> No Information						
	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
	<u>allowed values:</u> No Information						
	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
	<u>allowed values:</u> No Information						
New	Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Temperature	1	-999999	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<u>allowed values:</u> -999999						
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<u>allowed values:</u> No Information						
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	0	The electrical conductivity of water.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<u>allowed values:</u> -999999						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless		The potability of water based on the type of treatment required before it is safe for human consumption.
	<u>allowed values:</u> Contaminated Potable			No Information Treatable		Nonpotable	Other
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless		The type of available water based on its composition.
	<u>allowed values:</u> Alkaline Mineral Saline			Brackish No Information Seawater		Brine Not Applicable	Fresh Other

Relationships: AnnotatedLocation (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 AnnotatedLocation (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 AnnotatedLocation (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 AnnotatedLocation (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 AnnotatedLocation (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 AnnotatedLocation (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 AnnotatedLocation (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 AnnotatedLocation (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 AnnotatedLocation (Area 00) - is a member of group - Exactly one - InformationSrf (FeatureGroup 00)

Feature AnnotatedLocation (Line 00) New ☐ Annotated Location

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

	Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New	Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
	<i>allowed values:</i> -999999						
	Average Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	<i>allowed values:</i> [-999999, -999999]			No Information			
New	Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i> -999999						
New	Feature Code	1	ZD045	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> ZD045						
	Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
	Geographic Name Type	3	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Other			Historical Transliterated Provisional			Native Transliterated Unverified Transliterated No Information Variant Transliterated
	Hydrologic Persistence	1	No Information	Enumeration	Unitless		The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<i>allowed values:</i> Dry Perennial			Ephemeral			Intermittent No Information
New	Least Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.

<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
New Water Resource Information : pH of Water	1	-999999	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
<u>allowed values:</u> -999999						
Predominant Average Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average water velocity, exclusive of high water due to runoff or low water due to drought.
<u>allowed values:</u> [-999999, -999999]			No Information			
Predominant Maximum Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<u>allowed values:</u> [-999999, -999999]			No Information			
Predominant Maximum Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.
<u>allowed values:</u> [-999999, -999999]						
Predominant Minimum Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<u>allowed values:</u> [-999999, -999999]			No Information			
Predominant Minimum Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average minimum (seasonal low water) water velocity, exclusive of high water due to runoff or low water due to drought.
<u>allowed values:</u> [-999999, -999999]						
Predominant Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<u>allowed values:</u> [-999999, -999999]			No Information			
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u>						
Army Geographic Agency (Netherlands)		Army Geographic Centre (Spain)		Army Geographic Institute (Portugal)		Bundeswehr Geoinformation Office (Germany)
Defence Acquisition and Logistics Organization (Denmark)		Defence Geographic Centre Intelligence Collection Group (United Kingdom)		Defence Imagery and Geospatial Organisation (Australia)		Defense Information Security (Italy)
General Command of Mapping (Turkey)		Geographic Service (Belgium)		Geographic Service of the Czech Armed Forces (Czech Republic)		Geospatial Information Agency (Latvia)
Geospatial Intelligence Organisation (New Zealand)		Hellenic Military Geographic Service (Greece)		Joint Geography Bureau (France)		Mapping and Charting Establishment (Canada)
Mapping Service (Hungary)		Military Geographic Group (Estonia)		Military Geographic Service (Norway)		Military Geography Division (Poland)
Military Mapping Centre (Lithuania)		Military Topographic Directorate (Romania)		Military Topographic Service (Bulgaria)		National Army Topographic Service (Moldova)
No Information		Other		Swedish Armed Forces (Sweden)		Topographic Institute (Slovakia)
Topographic Service (Finland)		U.S. Africa Command (USAFRICOM)		U.S. Air Force		U.S. Army
U.S. Army Geospatial Center (AGC)		U.S. Central Command (USCENTCOM)		U.S. Central Intelligence Agency (CIA)		U.S. Coast Guard
U.S. Defense Intelligence Agency (DIA)		U.S. Department of Energy (DOE)		U.S. Department of Homeland Security (DHS)		U.S. Department of State
U.S. European Command (USEUCOM)		U.S. Federal Bureau of Investigation (FBI)		U.S. Geological Survey (USGS)		U.S. Joint Forces Command (USJFCOM)
U.S. Marine Corps		U.S. National Civil Applications Program (NCAP)		U.S. National Geospatial-Intelligence Agency (NGA)		U.S. National Oceanic and Atmospheric Administration
U.S. National Reconnaissance Office (NRO)		U.S. National Security Agency (NSA)		U.S. Navy		U.S. Northern Command (USNORTHCOM)
U.S. Pacific Command (PACOM)		U.S. Southern Command (USSOUTHCOM)		U.S. Special Operations Command (USSOCOM)		U.S. Strategic Command (USSTRATCOM)
U.S. Transportation Command (USTRANSCOM)						

	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
	<u>allowed values:</u> No Information						
	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
	<u>allowed values:</u> No Information						
	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
	<u>allowed values:</u> No Information						
New	Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Temperature	1	-999999	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<u>allowed values:</u> -999999						
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<u>allowed values:</u> No Information						
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	0	The electrical conductivity of water.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<u>allowed values:</u> -999999						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless		The potability of water based on the type of treatment required before it is safe for human consumption.
	<u>allowed values:</u> Contaminated Potable			No Information Treatable		Nonpotable	Other
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless		The type of available water based on its composition.
	<u>allowed values:</u> Alkaline Mineral Saline			Brackish No Information Seawater		Brine Not Applicable	Fresh Other

Relationships: AnnotatedLocation (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 AnnotatedLocation (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 AnnotatedLocation (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 AnnotatedLocation (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 AnnotatedLocation (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 AnnotatedLocation (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 AnnotatedLocation (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 AnnotatedLocation (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 AnnotatedLocation (Line 00) - is a member of group - Exactly one - InformationCrv (FeatureGroup 00)

Feature AnnotatedLocation (Point 00) New ☐ Annotated Location

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

	Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New	Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
	<u>allowed values:</u> -999999						
	Average Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	<u>allowed values:</u> [-999999, -999999]			No Information			
New	Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<u>allowed values:</u> -999999						
New	Feature Code	1	ZD045	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u> ZD045						
	Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
	Geographic Name Type	3	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Other			Historical Transliterated Provisional		Native Transliterated Unverified Transliterated	No Information Variant Transliterated
	Hydrologic Persistence	1	No Information	Enumeration	Unitless		The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<u>allowed values:</u> Dry Perennial			Ephemeral		Intermittent	No Information
New	Least Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.

<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
New Water Resource Information : pH of Water	1	-999999	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
<u>allowed values:</u> -999999						
Predominant Average Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average water velocity, exclusive of high water due to runoff or low water due to drought.
<u>allowed values:</u> [-999999, -999999] No Information						
Predominant Maximum Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<u>allowed values:</u> [-999999, -999999] No Information						
Predominant Maximum Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.
<u>allowed values:</u> [-999999, -999999]						
Predominant Minimum Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<u>allowed values:</u> [-999999, -999999] No Information						
Predominant Minimum Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average minimum (seasonal low water) water velocity, exclusive of high water due to runoff or low water due to drought.
<u>allowed values:</u> [-999999, -999999]						
Predominant Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<u>allowed values:</u> [-999999, -999999] No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u>						
Army Geographic Agency (Netherlands)		Army Geographic Centre (Spain)		Army Geographic Institute (Portugal)		Bundeswehr Geoinformation Office (Germany)
Defence Acquisition and Logistics Organization (Denmark)		Defence Geographic Centre Intelligence Collection Group (United Kingdom)		Defence Imagery and Geospatial Organisation (Australia)		Defense Information Security (Italy)
General Command of Mapping (Turkey)		Geographic Service (Belgium)		Geographic Service of the Czech Armed Forces (Czech Republic)		Geospatial Information Agency (Latvia)
Geospatial Intelligence Organisation (New Zealand)		Hellenic Military Geographic Service (Greece)		Joint Geography Bureau (France)		Mapping and Charting Establishment (Canada)
Mapping Service (Hungary)		Military Geographic Group (Estonia)		Military Geographic Service (Norway)		Military Geography Division (Poland)
Military Mapping Centre (Lithuania)		Military Topographic Directorate (Romania)		Military Topographic Service (Bulgaria)		National Army Topographic Service (Moldova)
No Information		Other		Swedish Armed Forces (Sweden)		Topographic Institute (Slovakia)
Topographic Service (Finland)		U.S. Africa Command (USAFRICOM)		U.S. Air Force		U.S. Army
U.S. Army Geospatial Center (AGC)		U.S. Central Command (USCENTCOM)		U.S. Central Intelligence Agency (CIA)		U.S. Coast Guard
U.S. Defense Intelligence Agency (DIA)		U.S. Department of Energy (DOE)		U.S. Department of Homeland Security (DHS)		U.S. Department of State
U.S. European Command (USEUCOM)		U.S. Federal Bureau of Investigation (FBI)		U.S. Geological Survey (USGS)		U.S. Joint Forces Command (USJFCOM)
U.S. Marine Corps		U.S. National Civil Applications Program (NCAP)		U.S. National Geospatial-Intelligence Agency (NGA)		U.S. National Oceanic and Atmospheric Administration
U.S. National Reconnaissance Office (NRO)		U.S. National Security Agency (NSA)		U.S. Navy		U.S. Northern Command (USNORTHCOM)
U.S. Pacific Command (PACOM)		U.S. Southern Command (USSOUTHCOM)		U.S. Special Operations Command (USSOCOM)		U.S. Strategic Command (USSTRATCOM)
U.S. Transportation Command (USTRANSCOM)						

	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
	<u>allowed values:</u> No Information						
	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
	<u>allowed values:</u> No Information						
	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
	<u>allowed values:</u> No Information						
New	Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Temperature	1	-999999	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<u>allowed values:</u> -999999						
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<u>allowed values:</u> No Information						
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	0	The electrical conductivity of water.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<u>allowed values:</u> -999999						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless		The potability of water based on the type of treatment required before it is safe for human consumption.
	<u>allowed values:</u> Contaminated Potable			No Information Treatable		Nonpotable	Other
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless		The type of available water based on its composition.
	<u>allowed values:</u> Alkaline Mineral Saline			Brackish No Information Seawater		Brine Not Applicable	Fresh Other

Relationships: AnnotatedLocation (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 AnnotatedLocation (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 AnnotatedLocation (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 AnnotatedLocation (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 AnnotatedLocation (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 AnnotatedLocation (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 AnnotatedLocation (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 AnnotatedLocation (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 AnnotatedLocation (Point 00) - is a member of group - Exactly one - InformationPnt (FeatureGroup 00)

Feature Apron (Area 00)New ☐ Apron

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aerodrome Pavement Information : Aerodrome Movement Area Surface Category	1	No Information	Enumeration	Unitless	0	The level of preparation of the aerodrome movement area surface, as a category. [Description] Common category types may range from natural to completely paved.
allowed values: Completely Paved Partially Paved			Mostly Paved Unpaved			No Information Unprepared Other
Aerodrome Pavement Information : Aerodrome Movement Area Surface Composition	3	No Information	Enumeration	Unitless	0	The type of the predominant material of which a surface of the movement area is composed. [Description] Example surfaces include: asphalt, concrete, or grass.
allowed values: Asphalt Clay Gravel Macadam Other Stone			Asphalt Over Concrete Concrete Ice Membrane Pierced Steel Planking Water			Bituminous Mix Coral Landing Mat No Information Sand Wood Brick Earthen Laterite Non-bituminous Mix Snow
Aerodrome Pavement Information : Aerodrome Movement Area Surface Preparation Method	3	No Information	Enumeration	Unitless	0	The preparation technique(s) applied to a surface composition.
allowed values: Aggregate Seal Coat No Information Rolled			Graded Oiled Rubberized Seal Coat			Grass Other Grooved Porous Friction Course
Aerodrome Pavement Information : Aerodrome Pavement Functional Status	1	No Information	Enumeration	Unitless	0	The functional status of the pavement of an aerodrome movement area. [Description] An aerodrome movement area is that part of an aerodrome to be used for aircraft movement operations, consisting of the manoeuvring area and the apron(s).
allowed values: Fair No Information Unserviceable			Fair Estimated Poor			Good Poor Estimated Good Estimated Under Construction
Aerodrome Surface Status	1	No Information	Enumeration	Unitless	0	The operational status of an aerodrome movement area, as a category. [Description] For example: serviceable, unserviceable, closed, or work-in-progress.
allowed values: Closed Work in Progress			No Information			Open Parked or Disabled Aircraft
Apron Type	1	No Information	Enumeration	Unitless	0	The type of an apron based upon its location on an aerodrome and its general purpose.
allowed values: Cargo Military Remote Parking			Dispersal No Information Services and/or Hangar			General Aviation Other Holding Passenger
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational						
			Non-operational Planned			Not in Operation Temporarily Non-operational
New Feature Code	1	GB015	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> GB015						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained						
			Destroyed Ruined			Dismantled Site Preparation
						Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
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Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Apron (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Apron (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Apron (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Apron (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Apron (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Apron (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Apron (Area 00) - is a member of group - Exactly one - AeronauticSrf (FeatureGroup 00)

Feature AquaticVegetation (Area 00)

New ☐ Aquatic Vegetation

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aquatic Vegetation Cover	1	-999999	REAL	Percent	0	The portion of a waterbody surface area that is covered by aquatic vegetation.
<i>allowed values:</i> -999999						
Aquatic Vegetation Growth Habit	1	No Information	Enumeration	Unitless	0	The growth pattern, location and/or habit of aquatic vegetation.
<i>allowed values:</i> Emergent Submerged			Free-floating Waterlogged			No Information Other
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Hydrographic Vertical Positioning Information : Sounding Metadata : Bathymetric Measurement Quality Category	3	No Information	Enumeration	Unitless	0	A general evaluation of the qualities of a bathymetric measurement, as a category. [Description] Drying heights are typically captured using negative (bathymetric) sounding values; their certainty of measurement may be categorized in the same manner as positive values.
<i>allowed values:</i> Depth Doubtful Least Depth Not Applicable Unconfirmed Depth			Depth Known Maintained Depth Other Unmaintained Depth			Depth Unknown No Bottom Reported Depth Depth Unreliable No Information Safe Clearance Known
Hydrographic Vertical Positioning Information : Bathymetric Measurement Technique	3	No Information	Enumeration	Unitless	0	The technique used to determine water depth(s).
<i>allowed values:</i> Area Swept by Side-scan Sonar Computer Generated Lead-line Other Singlebeam			Area Swept by Vertical Acoustic System Diver Levelling Photogrammetry Underwater Utility Vehicle			Area Swept by Wire-drag Echo Sounder Multi-beam Echo Sounder Satellite Imagery Bathymetric LiDAR Electromagnetic Sensor No Information Side-scan Sonar
Dangerous to Navigation	1	No Information	Boolean	Unitless	0	An indication that a hazard in a waterbody is considered to be dangerous to surface navigation. [Description] For example, broken piles, a rock formation, or a reef in moderately deep waters. For large vessels a depth of less than 20 metres is generally considered to be dangerous.
<i>allowed values:</i> False			No Information			True
Hydrographic Vertical Positioning Information : Depth Exposition	1	No Information	Enumeration	Unitless	0	Indicates specific depths governed by IHO regulations used in indicating safe navigation, as categories.
<i>allowed values:</i> Covered < 20 metres			Covered >= 20 metres but < 30 metres			Covered >= 30 metres No Information
Hydrographic Vertical Positioning Information : Elevation Above Waterbody Floor	1	-999999	REAL	Metre	0	The elevation of an object measured vertically from the waterbody floor to the base (lowest point) of the object.
<i>allowed values:</i> -999999						
New Feature Code	1	BD061	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BD061						
Floating	1	No Information	Boolean	Unitless	0	An indication that an object is floating.
<i>allowed values:</i> False			No Information			True
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

Hydrographic Vertical Positioning Information : Height Above Waterbody Floor	1	-999999	REAL	Metre	0	The height of an object measured vertically from the waterbody floor to the top (highest point) of the object.
<u>allowed values:</u> -999999						
Hydrographic Vertical Positioning Information : Height of Object	1	-999999	REAL	Metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<u>allowed values:</u> -999999						
Human Hazard	1	No Information	Enumeration	Unitless	0	The type(s) of a possible danger to human activity (for example: slipping) which may be present due to naturally occurring conditions (for example: algae covered rocks).
<u>allowed values:</u> Abrasion No Information			Biological Other			Drowning Puncture Entanglement Slipping
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	REAL	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<u>allowed values:</u> -999999						
Hydrographic Vertical Positioning Information : Hydrographic Drying Height	1	-999999	REAL	Metre	0	The height of the feature, which tidal waters cover and uncover, referenced to a specified sounding datum.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Hydrographic Vertical Positioning Information : Maritime Navigation Marked	1	No Information	Boolean	Unitless	0	An indication that a feature is significant to maritime safety of navigation and is marked (for example: by a light or beacon) by a maritime-specific navigational aid. [Description] Mariners may also use other prominent features (for example: rotating aeronautical beacons or lighted structures) for informal navigational purposes.
<u>allowed values:</u> FALSE			No Information			TRUE
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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AquaticVegetation (Area 00)

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Hydrographic Vertical Positioning Information : Sonar-confirmed	1	No Information	Boolean	Unitless	0	An indication that a contact or other object has been confirmed by sonar.
allowed values:	False		No Information			True
Hydrographic Vertical Positioning Information : Sounding Metadata : Sounding Datum	1	No Information	Enumeration	Unitless	0	The tidal datum to which soundings and drying heights are referenced. [Description] It is usually taken to correspond to a low water stage of the tide.
allowed values:	Approximate Lowest Astronomical Tide Approximate Mean Sea Level High Water Springs Highest High Water Local Datum Lower Low Water Large Tide Mean High Water Mean Higher High Water Springs Mean Lower Low Water Mean Water Level No Information		Approximate Mean Low Water Chart Datum (Unspecified) Higher High Water Indian Spring High Water Low Water Lowest Astronomical Tide Mean High Water Neaps Mean Low Water Mean Lower Low Water Springs Neap Tide Other		Approximate Mean Low Water Springs Equinoctial Spring Low Water Higher High Water Large Tide Indian Spring Low Water Low Water Springs Lowest Low Water Mean High Water Springs Mean Low Water Neaps Mean Sea Level Nearly Highest High Water Spring Tide	Approximate Mean Lower Low Water High Water Highest Astronomical Tide International Great Lakes Datum 1985 Lower Low Water Lowest Low Water Springs Mean Higher High Water Mean Low Water Springs Mean Tide Level Nearly Lowest Low Water
Hydrographic Vertical Positioning Information : Sounding Metadata : Sounding Datum Name	1	No Information	String	Unitless	80	The name of the tidal datum to which soundings and drying heights are referenced. [Description] Used when the sounding datum is known but not specified using Attribute: 'Sounding Datum'.
allowed values:	No Information					
Hydrographic Vertical Positioning Information : Sounding Metadata : Sounding Velocity Correction Method	1	No Information	Enumeration	Unitless	0	The method of correction that has been used to correct a sounding velocity instrument reading to obtain the correct depth.
allowed values:	Mathews Tables Sound Velocity Meter		No Information Souder 1500 Calibrated		Not Applicable Souder 4800 Calibrated	Other Souder Other Calibrated

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Hydrographic Vertical Positioning Information : Uncovering Height Known	1	No Information	Boolean	Unitless	0	An indication that information is known about the height to which a marine feature may be uncovered by the tide.
<i>allowed values:</i> FALSE No Information TRUE						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vegetation Species	3	No Information	Enumeration	Unitless	0	The predominant species of a tract of vegetation.
<i>allowed values:</i> Algae Kelp Mangrove Nipa No Information Other Posidonia Reed Sargassum Sea-tangle Water Hyacinth						
Hydrographic Vertical Positioning Information : Sounding Metadata : Vessel Draft Correction	1	No Information	Boolean	Unitless	0	An indication that a vessel draft correction has been applied.
<i>allowed values:</i> False No Information True						
Hydrographic Vertical Positioning Information : Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.
<i>allowed values:</i> Always Dry Always Submerged Awash at Chart Datum Awash at Low Water Covers and Uncovers No Information Other Partly Submerged						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: AquaticVegetation (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 AquaticVegetation (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 AquaticVegetation (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 AquaticVegetation (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 AquaticVegetation (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)
 AquaticVegetation (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 AquaticVegetation (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature AquaticVegetation (Point 00)New ☐ Aquatic Vegetation

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aquatic Vegetation Cover	1	-999999	REAL	Percent	0	The portion of a waterbody surface area that is covered by aquatic vegetation.
<i>allowed values:</i> -999999						
Aquatic Vegetation Growth Habit	1	No Information	Enumeration	Unitless	0	The growth pattern, location and/or habit of aquatic vegetation.

<i>allowed values:</i>	Emergent Submerged			Free-floating Waterlogged			No Information	Other
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.		
<i>allowed values:</i> -999999								
Hydrographic Vertical Positioning Information : Sounding Metadata : Bathymetric Measurement Quality Category	3	No Information	Enumeration	Unitless	0	A general evaluation of the qualities of a bathymetric measurement, as a category. [Description] Drying heights are typically captured using negative (bathymetric) sounding values; their certainty of measurement may be categorized in the same manner as positive values.		
<i>allowed values:</i>	Depth Doubtful Least Depth Not Applicable Unconfirmed Depth			Depth Known Maintained Depth Other Unmaintained Depth			Depth Unknown No Bottom Reported Depth	Depth Unreliable No Information Safe Clearance Known
Hydrographic Vertical Positioning Information : Bathymetric Measurement Technique	3	No Information	Enumeration	Unitless	0	The technique used to determine water depth(s).		
<i>allowed values:</i>	Area Swept by Side-scan Sonar Computer Generated Lead-line Other Singlebeam			Area Swept by Vertical Acoustic System Diver Levelling Photogrammetry Underwater Utility Vehicle			Area Swept by Wire-drag Echo Sounder Multi-beam Echo Sounder Satellite Imagery	Bathymetric LiDAR Electromagnetic Sensor No Information Side-scan Sonar
Dangerous to Navigation	1	No Information	Boolean	Unitless	0	An indication that a hazard in a waterbody is considered to be dangerous to surface navigation. [Description] For example, broken piles, a rock formation, or a reef in moderately deep waters. For large vessels a depth of less than 20 metres is generally considered to be dangerous.		
<i>allowed values:</i> False				No Information			True	
Hydrographic Vertical Positioning Information : Depth Exposition	1	No Information	Enumeration	Unitless	0	Indicates specific depths governed by IHO regulations used in indicating safe navigation, as categories.		
<i>allowed values:</i>	Covered < 20 metres			Covered >= 20 metres but < 30 metres			Covered >= 30 metres	No Information
Hydrographic Vertical Positioning Information : Elevation Above Waterbody Floor	1	-999999	REAL	Metre	0	The elevation of an object measured vertically from the waterbody floor to the base (lowest point) of the object.		
<i>allowed values:</i> -999999								
New Feature Code	1	BD061	CONSTRAINED_ STRING	Unitless	5	Feature Code		
<i>allowed values:</i> BD061								
Floating	1	No Information	Boolean	Unitless	0	An indication that an object is floating.		
<i>allowed values:</i> False				No Information			True	
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.		
<i>allowed values:</i> No Information								
Hydrographic Vertical Positioning Information : Height Above Waterbody Floor	1	-999999	REAL	Metre	0	The height of an object measured vertically from the waterbody floor to the top (highest point) of the object.		
<i>allowed values:</i> -999999								
Hydrographic Vertical Positioning Information : Height of Object	1	-999999	REAL	Metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.		
<i>allowed values:</i> -999999								
Human Hazard	1	No Information	Enumeration	Unitless	0	The type(s) of a possible danger to human activity (for example: slipping) which may be present due to naturally occurring conditions (for example: algae covered rocks).		

<i>allowed values:</i>	Abrasion No Information		Biological Other			Drowning Puncture	Entanglement Slipping
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	REAL	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.	
<i>allowed values:</i> -999999							
Hydrographic Vertical Positioning Information : Hydrographic Drying Height	1	-999999	REAL	Metre	0	The height of the feature, which tidal waters cover and uncover, referenced to a specified sounding datum.	
<i>allowed values:</i> -999999							
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999							
Hydrographic Vertical Positioning Information : Maritime Navigation Marked	1	No Information	Boolean	Unitless	0	An indication that a feature is significant to maritime safety of navigation and is marked (for example: by a light or beacon) by a maritime-specific navigational aid. [Description] Mariners may also use other prominent features (for example: rotating aeronautical beacons or lighted structures) for informal navigational purposes.	
<i>allowed values:</i> FALSE			No Information			TRUE	
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i> U							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Hydrographic Vertical Positioning Information : Sonar-confirmed	1	No Information	Boolean	Unitless	0	An indication that a contact or other object has been confirmed by sonar.
<i>allowed values:</i> False			No Information			True
Hydrographic Vertical Positioning Information : Sounding Metadata : Sounding Datum	1	No Information	Enumeration	Unitless	0	The tidal datum to which soundings and drying heights are referenced. [Description] It is usually taken to correspond to a low water stage of the tide.
<i>allowed values:</i>						
Approximate Lowest Astronomical Tide			Approximate Mean Low Water			Approximate Mean Low Water Springs
Approximate Mean Sea Level			Chart Datum (Unspecified)			Equinoctial Spring Low Water
High Water Springs			Higher High Water			Higher High Water Large Tide
Highest High Water			Indian Spring High Water			Indian Spring Low Water
Local Datum			Low Water			Low Water Springs
Lower Low Water Large Tide			Lowest Astronomical Tide			Lowest Low Water
Mean High Water			Mean High Water Neaps			Mean High Water Springs
Mean Higher High Water Springs			Mean Low Water			Mean Low Water Neaps
Mean Lower Low Water			Mean Lower Low Water Springs			Mean Sea Level
Mean Water Level			Neap Tide			Nearly Highest High Water
No Information			Other			Spring Tide
Hydrographic Vertical Positioning Information : Sounding Metadata : Sounding Datum Name	1	No Information	String	Unitless	80	The name of the tidal datum to which soundings and drying heights are referenced. [Description] Used when the sounding datum is known but not specified using Attribute: 'Sounding Datum'.
<i>allowed values:</i> No Information						
Hydrographic Vertical Positioning Information : Sounding Metadata : Sounding Velocity Correction Method	1	No Information	Enumeration	Unitless	0	The method of correction that has been used to correct a sounding velocity instrument reading to obtain the correct depth.
<i>allowed values:</i>						
Mathews Tables			No Information			Not Applicable
Sound Velocity Meter			Sounder 1500 Calibrated			Other
						Sounder 4800 Calibrated
						Sounder Other Calibrated
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Hydrographic Vertical Positioning Information : Uncovering Height Known	1	No Information	Boolean	Unitless	0	An indication that information is known about the height to which a marine feature may be uncovered by the tide.
<i>allowed values:</i> FALSE			No Information			TRUE
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vegetation Species	3	No Information	Enumeration	Unitless	0	The predominant species of a tract of vegetation.

allowed values: Algae No Information Sargassum			Kelp Other Sea-tangle			Mangrove Posidonia Water Hyacinth	Nipa Reed
Hydrographic Vertical Positioning Information : Sounding Metadata : Vessel Draft Correction	1	No Information	Boolean	Unitless	0	An indication that a vessel draft correction has been applied.	
allowed values: False			No Information			True	
Hydrographic Vertical Positioning Information : Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.	
allowed values: Always Dry Covers and Uncovers			Always Submerged No Information			Awash at Chart Datum Other	Awash at Low Water Partly Submerged
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	

allowed values: -999999

Relationships: AquaticVegetation (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 AquaticVegetation (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 AquaticVegetation (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 AquaticVegetation (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 AquaticVegetation (Point 00) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup 00)
 AquaticVegetation (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 AquaticVegetation (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature Aqueduct (Area 00)

New ☐ Aqueduct

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Inland Waterbody Bank (1) : Above Water Bank Slope (first bank)	1	-999999	REAL	Percent	0	The amount of upward inclination between the horizontal surface of the mean water level of a watercourse where it touches the bank and the top of the first usable break in slope, measured at the same point on the upper bank as the military gap width. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
allowed values: -999999						
allowed values: -999999						
Aqueduct Type	1	No Information	Enumeration	Unitless	0	The type of an aqueduct based on its structure.
allowed values: No Information Underwater			Qanat			Surface Underground
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
allowed values: -999999						
Average Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
allowed values: [-999999, -999999]			No Information			
Inland Waterbody Bank (2) : Bank Orientation (second bank)	1	No Information	Enumeration	Unitless	0	The relative orientation of a bank of an inland waterbody based on the direction of predominant water flow in the adjacent waterbody.

	<i>allowed values:</i> Indeterminate Other		Left Right		No Flow	No Information	
	<i>allowed values:</i> Indeterminate Other		Left Right		No Flow	No Information	
New	Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<i>allowed values:</i> -999999						
	Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
	<i>allowed values:</i> False			No Information		True	
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian National Public			International No Information State		Joint Military and Civilian Other	Military Private
	Covered Drain	1	No Information	Boolean	Unitless	0	An indication that a watercourse section is completely covered over and connects to uncovered watercourses at each end.
	<i>allowed values:</i> False			No Information		True	
	Covered Drain Length	1	-999999	Real	Metre	0	The length of a watercourse section that is completely covered over and connects to uncovered watercourses at each end.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN ⁻ . These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i> -999999						
	Deck Level	1	-999999	REAL	Unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value.
	<i>allowed values:</i> -999999						
New	Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
	<i>allowed values:</i> -999999						
	Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned		Not in Operation Temporarily Non-operational	Operational
New	Feature Code	1	BH010	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BH010						
	Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
	Geographic Name Type	2	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Other			Historical Transliterated Provisional		Native Transliterated Unverified Transliterated	No Information Variant Transliterated
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999						

	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999						
	Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
	<u>allowed values:</u> -999999						
	Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<u>allowed values:</u> Dry			Intermittent			No Information Perennial
New	Least Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling.
	<u>allowed values:</u> -999999						
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<u>allowed values:</u> -999999						
New	Maximum Water Depth	1	-999999	Real	Metre		Maximum water depth the object was designed to hold.
	<u>allowed values:</u> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
	Pedestrian Traversable	1	No Information	Boolean	Unitless	0	An indication that a feature is traversable on foot.
	<u>allowed values:</u> False			No Information			True
New	Water Resource Information : pH of Water	1	-999999	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<u>allowed values:</u> -999999						
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<u>allowed values:</u> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
	Predominant Average Water Velocity	1	[-999999,-999999]	Real_Interval	Metres per Second	0	The average water velocity, exclusive of high water due to runoff or low water due to drought.
	<u>allowed values:</u> (1.5, INFINITY)			(-INFINITY, 1.5]			[-999999,-999999]

Predominant Maximum Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i>	[-999999, -999999]		No Information			
Predominant Maximum Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i>	[-999999, -999999]		No Information			
Predominant Minimum Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i>	[-999999, -999999]		No Information			
Predominant Minimum Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average minimum (seasonal low water) water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i>	[-999999, -999999]		No Information			
Predominant Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i>	[-999999, -999999]		No Information			
Inland Waterbody Bank (1) : Predominant Waterbody Bank Height (first bank)	1	[-999999, -999999]	REAL_Interval	Metre	0	The predominant height (the height of at least 50 percent) of the bank, measured from mean water level to the first break in slope above the mean water level.
<i>allowed values:</i>	[-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval		Closed Interval Greater-than-or-equal to Less-than Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval	
<i>allowed values:</i>	[-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval		Closed Interval Greater-than-or-equal to Less-than Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval	
Inland Waterbody Bank (1) : Predominant Waterbody Bank Slope (first bank)	1	[-999999, -999999]	REAL_Interval	Percent	0	The predominant slope (the slope of at least 50 percent) of the bank, measured from mean water level to the first accessible break in slope above the mean water level. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i>	[-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval		Closed Interval Greater-than-or-equal to Less-than Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval	
<i>allowed values:</i>	[-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval		Closed Interval Greater-than-or-equal to Less-than Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval	
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
<i>allowed values:</i>	Depressed Raised		Level		No Information Not Applicable	
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i>	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)			
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)			
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)			
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)			
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)			
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)			
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)			
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army			
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard			
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State			
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)			
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration			
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)			
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)			
	U.S. Transportation Command (USTRANSCOM)						
	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
	allowed values:	No Information					
	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
	allowed values:	No Information					
	Inland Waterbody Bank (1) : Shoreline Delineated (first bank)	1	No Information	Boolean	Unitless	0	An indication that the delineation of a shoreline is definite. [Description] The delineation of the shoreline along a beach is typically definite whereas along a mangrove swamp it is typically indefinite.
allowed values:	False	No Information				True	
allowed values:	False	No Information				True	
Inland Waterbody Bank (1) : Shoreline Type (first bank)	1	No Information	Enumeration	Unitless	0	The physical characteristics of a shoreline.	
allowed values:	Building Rubble	Erosion Rubble	Ice	Mangrove			
	Marshy	Mud	No Information	Other			
	Sandy	Shingly	Stony				
allowed values:	Building Rubble	Erosion Rubble	Ice	Mangrove			
	Marshy	Mud	No Information	Other			
	Sandy	Shingly	Stony				
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:	No Information						
Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.	
allowed values:	-999999						
Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.	
allowed values:	False	No Information				True	
Water Resource Information : Temperature	1	-999999	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.	
allowed values:	-999999						

	Terrain Gap Width	1	-999999	REAL	Metre	0	The minimum horizontal bridging distance necessary to cross a channel. [Description] The width is measured perpendicular to the direction of water flow from bank to bank, at the first usable break in slope on each side of the channel above mean high water. Usable banks are those accessible by vehicles; small unusable ledges and cliffs are not considered usable breaks in slopes.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<i>allowed values:</i> -999999						
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<i>allowed values:</i> No Information						
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	0	The electrical conductivity of water.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Water Flow	1	-999999	Real	Litres per Minute	0	The rate of water flow through or exiting from a feature.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Water Flow Rate Category	1	No Information	Enumeration	Unitless		Value used to categorize streams, canals, rivers and other flowing water given the quantity of water flow. The categories correspond to specifications for water purification units in order to allow for quick identification of areas of water flow that are most suitable for placement of water purification equipment.
	<i>allowed values:</i> Large Small			Moderate		No Information	Other
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<i>allowed values:</i> -999999						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
	<i>allowed values:</i> Contaminated Potable			No Information Treatable		Nonpotable	Other
New	Water Resource Information : Water Pump Accessibility	1	No Information	Enumeration	Unitless		The approachable or easily entered side of a water source where portable equipment including pumps and pipes may be placed into the water source and used with nearby portable equipment. [Description] Provides an indication of whether it is possible access the water for the purpose of connecting portable water pumping equipment to temporary purification units. Accessibility must meet distance requirements in the transport of water: 100 m horizontal and 10 m vertical.
	<i>allowed values:</i> From All Sides No Information			From Left		From Right	No Accessibility
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
	<i>allowed values:</i> Alkaline Mineral Saline			Brackish No Information Seawater		Brine Not Applicable	Fresh Other
New	Water Resource Information : Water Use	3	No Information	Enumeration	Unitless		The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.

allowed values:	Agricultural Irrigation Institutional Other	Commercial Livestock Power Generation	Domestic Irrigation Municipal Recreational	Industrial No Information Sanitary Domestic		
Inland Waterbody Bank (2) : Waterbody Bank Height (second bank)	1	-999999	REAL	Metre	0	The height of the waterbody bank above the average water level.
allowed values:	-999999					
allowed values:	-999999					
Inland Waterbody Bank (1) : Waterbody Bank Vegetation Cover (first bank)	1	[-999999, -999999]	REAL_Interval	Percent	0	The fraction of vegetation cover on the bank of a watercourse.
allowed values:	[-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval	Closed Interval Greater-than-or-equal to Less-than Interval				Greater-than or Equal Semi-interval Less-than or Equal Semi-interval
allowed values:	[-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval	Closed Interval Greater-than-or-equal to Less-than Interval				Greater-than or Equal Semi-interval Less-than or Equal Semi-interval
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Aqueduct (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Aqueduct (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Aqueduct (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Aqueduct (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Aqueduct (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Aqueduct (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Aqueduct (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)
 Aqueduct (Area 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature Aqueduct (Line 00)

New ☐ Aqueduct

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Inland Waterbody Bank (2) : Above Water Bank Slope (second bank)	1	-999999	REAL	Percent	0	The amount of upward inclination between the horizontal surface of the mean water level of a watercourse where it touches the bank and the top of the first usable break in slope, measured at the same point on the upper bank as the military gap width. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
allowed values:	-999999					
allowed values:	-999999					
Aqueduct Type	1	No Information	Enumeration	Unitless	0	The type of an aqueduct based on its structure.
allowed values:	No Information Underwater		Qanat			Surface Underground
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values:	-999999					
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.

<u>allowed values:</u> -999999						
Average Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<u>allowed values:</u> [-999999, -999999] No Information						
Inland Waterbody Bank (1) : Bank Orientation (first bank)	1	No Information	Enumeration	Unitless	0	The relative orientation of a bank of an inland waterbody based on the direction of predominant water flow in the adjacent waterbody.
<u>allowed values:</u> Indeterminate Left No Flow No Information						
Other Right						
<u>allowed values:</u> Indeterminate Left No Flow No Information						
Other Right						
New Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<u>allowed values:</u> -999999						
New Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<u>allowed values:</u> -999999						
Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
<u>allowed values:</u> False No Information True						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> Civilian International Joint Military and Civilian Military						
National No Information Other Private						
Public State						
Covered Drain	1	No Information	Boolean	Unitless	0	An indication that a watercourse section is completely covered over and connects to uncovered watercourses at each end.
<u>allowed values:</u> False No Information True						
Covered Drain Length	1	-999999	Real	Metre	0	The length of a watercourse section that is completely covered over and connects to uncovered watercourses at each end.
<u>allowed values:</u> -999999						
New Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN ⁻ . These are powerful poisons that are toxic to humans and aquatic life.
<u>allowed values:</u> -999999						
Deck Level	1	-999999	REAL	Unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value.
<u>allowed values:</u> -999999						
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Non-operational Not in Operation Operational						
Partially Operational Planned Temporarily Non-operational						
New Feature Code	1	BH010	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BH010						
Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Geographic Name Type	2	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i> Conventional Other		Historical Transliterated Provisional		Native Transliterated Unverified Transliterated		No Information Variant Transliterated
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999						
Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i> Dry			Intermittent			No Information Perennial
New Least Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
New Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999						
New Maximum Water Depth	1	-999999	Real	Metre		Maximum water depth the object was designed to hold.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Pedestrian Traversable	1	No Information	Boolean	Unitless	0	An indication that a feature is traversable on foot.
<i>allowed values:</i> False			No Information			True
New Water Resource Information : pH of Water	1	-999999	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999						

New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	allowed values:						
	Damaged			Destroyed		Dismantled	Intact
	No Information			Ruined		Site Preparation	Under Construction
	Unmaintained						
	Predominant Average Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second	0	The average water velocity, exclusive of high water due to runoff or low water due to drought.
	allowed values:						
	(1.5, INFINITY)			(-INFINITY, 1.5]		[-999999, -999999]	
	Predominant Maximum Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	allowed values:						
	[-999999, -999999]			No Information			
	Predominant Maximum Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.
	allowed values:						
	[-999999, -999999]						
	Predominant Minimum Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	allowed values:						
	[-999999, -999999]			No Information			
	Predominant Minimum Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average minimum (seasonal low water) water velocity, exclusive of high water due to runoff or low water due to drought.
	allowed values:						
	[-999999, -999999]						
	Predominant Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	allowed values:						
	[-999999, -999999]			No Information			
	Inland Waterbody Bank (2) : Predominant Waterbody Bank Height (second bank)	1	[-999999, -999999]	REAL_Interval	Metre	0	The predominant height (the height of at least 50 percent) of the bank, measured from mean water level to the first break in slope above the mean water level.
	allowed values:						
	[-999999, -999999]			Closed Interval		Greater-than or Equal Semi-interval	Greater-than Semi-interval
	Greater-than to Less-than-or-equal Interval			Greater-than-or-equal to Less-than Interval		Less-than or Equal Semi-interval	Less-than Semi-interval
	Open Interval						
	allowed values:						
	[-999999, -999999]			Closed Interval		Greater-than or Equal Semi-interval	Greater-than Semi-interval
	Greater-than to Less-than-or-equal Interval			Greater-than-or-equal to Less-than Interval		Less-than or Equal Semi-interval	Less-than Semi-interval
	Open Interval						
	Inland Waterbody Bank (1) : Predominant Waterbody Bank Slope (first bank)	1	[-999999, -999999]	REAL_Interval	Percent	0	The predominant slope (the slope of at least 50 percent) of the bank, measured from mean water level to the first accessible break in slope above the mean water level. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
	allowed values:						
	[-999999, -999999]			Closed Interval		Greater-than or Equal Semi-interval	Greater-than Semi-interval
	Greater-than to Less-than-or-equal Interval			Greater-than-or-equal to Less-than Interval		Less-than or Equal Semi-interval	Less-than Semi-interval
	Open Interval						
	allowed values:						
	[-999999, -999999]			Closed Interval		Greater-than or Equal Semi-interval	Greater-than Semi-interval
	Greater-than to Less-than-or-equal Interval			Greater-than-or-equal to Less-than Interval		Less-than or Equal Semi-interval	Less-than Semi-interval
	Open Interval						
	Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
	allowed values:						
	Depressed			Level		No Information	Not Applicable
	Raised						
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	allowed values:						
	U						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)			
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)			
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)			
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)			
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)			
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)			
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)			
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army			
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard			
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State			
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)			
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration			
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)			
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)			
	U.S. Transportation Command (USTRANSCOM)						
	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
	allowed values: No Information						
	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
	allowed values: No Information						
	Inland Waterbody Bank (2) : Shoreline Delineated (second bank)	1	No Information	Boolean	Unitless	0	An indication that the delineation of a shoreline is definite. [Description] The delineation of the shoreline along a beach is typically definite whereas along a mangrove swamp it is typically indefinite.
allowed values: False			No Information			True	
allowed values: False			No Information			True	
	Inland Waterbody Bank (2) : Shoreline Type (second bank)	1	No Information	Enumeration	Unitless	0	The physical characteristics of a shoreline.
	allowed values:	Building Rubble	Erosion Rubble	Ice	Mangrove		
		Marshy	Mud	No Information	Other		
		Sandy	Shingly	Stony			
	allowed values:	Building Rubble	Erosion Rubble	Ice	Mangrove		
		Marshy	Mud	No Information	Other		
		Sandy	Shingly	Stony			
	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
	allowed values: No Information						
	Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
allowed values: -999999							
	Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.
	allowed values: False			No Information			True
	Water Resource Information : Temperature	1	-999999	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
	allowed values: -999999						

	Terrain Gap Width	1	-999999	REAL	Metre	0	The minimum horizontal bridging distance necessary to cross a channel. [Description] The width is measured perpendicular to the direction of water flow from bank to bank, at the first usable break in slope on each side of the channel above mean high water. Usable banks are those accessible by vehicles; small unusable ledges and cliffs are not considered usable breaks in slopes.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<i>allowed values:</i> -999999						
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<i>allowed values:</i> No Information						
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	0	The electrical conductivity of water.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Water Flow	1	-999999	Real	Litres per Minute	0	The rate of water flow through or exiting from a feature.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Water Flow Rate Category	1	No Information	Enumeration	Unitless		Value used to categorize streams, canals, rivers and other flowing water given the quantity of water flow. The categories correspond to specifications for water purification units in order to allow for quick identification of areas of water flow that are most suitable for placement of water purification equipment.
	<i>allowed values:</i> Large Small			Moderate		No Information	Other
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<i>allowed values:</i> -999999						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
	<i>allowed values:</i> Contaminated Potable			No Information Treatable		Nonpotable	Other
New	Water Resource Information : Water Pump Accessibility	1	No Information	Enumeration	Unitless		The approachable or easily entered side of a water source where portable equipment including pumps and pipes may be placed into the water source and used with nearby portable equipment. [Description] Provides an indication of whether it is possible access the water for the purpose of connecting portable water pumping equipment to temporary purification units. Accessibility must meet distance requirements in the transport of water: 100 m horizontal and 10 m vertical.
	<i>allowed values:</i> From All Sides No Information			From Left		From Right	No Accessibility
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
	<i>allowed values:</i> Alkaline Mineral Saline			Brackish No Information Seawater		Brine Not Applicable	Fresh Other
New	Water Resource Information : Water Use	3	No Information	Enumeration	Unitless		The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.

allowed values:	Agricultural Irrigation Institutional Other	Commercial Livestock Power Generation	Domestic Irrigation Municipal Recreational	Industrial No Information Sanitary Domestic		
Inland Waterbody Bank (1) : Waterbody Bank Height (first bank)	1	-999999	REAL	Metre	0	The height of the waterbody bank above the average water level.
allowed values:	-999999					
allowed values:	-999999					
Inland Waterbody Bank (2) : Waterbody Bank Vegetation Cover (second bank)	1	[-999999, -999999]	REAL_Interval	Percent	0	The fraction of vegetation cover on the bank of a watercourse.
allowed values:	[-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval	Closed Interval Greater-than-or-equal to Less-than Interval				Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval
allowed values:	[-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval	Closed Interval Greater-than-or-equal to Less-than Interval				Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Aqueduct (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Aqueduct (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Aqueduct (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Aqueduct (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Aqueduct (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Aqueduct (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Aqueduct (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Aqueduct (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Aqueduct (Line 00) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup 00)

Feature Aquifer (Area 00)

New ☐ Aquifer

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aquifer Composition	1	No Information	Enumeration	Unitless	0	The type of permeable geologic formation that composes the aquifer. [Description] The ability of the aquifer to store water is dependent on the porosity and permeability of the aquifer composition.
allowed values:			Basalt Dolomite Karst Mud Schist			Boulders Granite Limestone No Information Semi-consolidated and Consolidated Volcanic Ash Clay Gravel Marl Other Unconsolidated Conglomerate Igneous Rock Metamorphic Rock Sand Volcanic Rock
Aquifer Depth	1	[-999999, -999999]	Real_Interval	Metre	0	The distance between the terrain surface and the upper surface of the aquifer.
allowed values:	[-999999, -999999]		-999999			No Information
New Aquifer Name	1	No Information	String	Unitless	254	The common or scientific name of an aquifer.
allowed values:	No Information					

Aquifer Overburden	3	No Information	Enumeration	Unitless	0	The type(s) and/or morphology(ies) of terrain material that overlie an aquifer
allowed values:	Basalt Dolomite Karst Mud Schist		Boulders Granite Limestone No Information Semi-consolidated and Consolidated Volcanic Ash			Clay Gravel Marl Other Unconsolidated Conglomerate Igneous Rock Metamorphic Rock Sand Volcanic Rock
Aquifer Thickness	1	[-999999, -999999]	Real_Interval	Metre	0	The distance between the upper and lower surfaces of an aquifer. [Description] The value describes the vertical extent of the completely saturated portion of the aquifer.
allowed values:	[-999999, -999999]		-999999			No Information
Aquifer Yield Rating	1	[-999999, -999999]	Real_Interval	Litre per Minute	0	The estimated typical long-term yield from a single, properly sited and constructed well in the aquifer.
allowed values:	[-999999, -999999]		-999999			No Information
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values:	-999999					
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
allowed values:	-999999					
New Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
allowed values:	-999999					
New Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
allowed values:	-999999					
New Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
allowed values:	-999999					
New Feature Code	1	BH116	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values:	BH116					
Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values:	No Information					
Geographic Name Type	3	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
allowed values:	Conventional Other		Historical Transliterated Provisional			Native Transliterated Unverified Transliterated No Information Variant Transliterated
New Groundwater Potential Score	1	-999999	REAL	Unitless	0	A calculated quality rating of the ground water where zero indicates unsuitable water and 1000 indicates excellent water quality. This rating is derived from well yields, aquifer attribution, water quality parameters, and characteristics of the surface and overburden materials. Description: This value is typically interpreted using ranges for unsuitable [0], poor (0-0.015749], moderate (0.015749-400] and good (400, 1000] quality.
allowed values:	-999999					
Hydrologic Persistence	1	No Information	Enumeration	Unitless		The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
allowed values:	Dry Perennial		Ephemeral			Intermittent No Information

	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<u>allowed values:</u> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
New	Water Resource Information : pH of Water	1	-999999	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<u>allowed values:</u> -999999						
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<u>allowed values:</u> U						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
	<u>allowed values:</u>						
	Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
	Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
	General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
	Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
	Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
	Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
	No Information			Other			Swedish Armed Forces (Sweden)
	Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
	U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
	U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
	U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
	U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
	U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
	U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
	U.S. Transportation Command (USTRANSCOM)						
	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
	<u>allowed values:</u> No Information						
	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
	<u>allowed values:</u> No Information						

	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
	<i>allowed values:</i> No Information						
New	Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Temperature	1	-999999	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<i>allowed values:</i> -999999						
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<i>allowed values:</i> No Information						
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	0	The electrical conductivity of water.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<i>allowed values:</i> -999999						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
	<i>allowed values:</i> Contaminated Potable			No Information Treatable			Nonpotable Other
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
	<i>allowed values:</i> Alkaline Mineral Saline			Brackish No Information Seawater			Brine Not Applicable Fresh Other
New	Water Resource Information : Water Use	3	No Information	Enumeration	Unitless		The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.
	<i>allowed values:</i> Agricultural Irrigation Institutional Other			Commercial Livestock Power Generation			Domestic Irrigation Municipal Recreational Industrial No Information Sanitary Domestic
	Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Aquifer (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Aquifer (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Aquifer (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Aquifer (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Aquifer (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Aquifer (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Aquifer (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Aquifer (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Aquifer (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)

Feature Arcade (Area 00)New ☐ Arcade**A covered pedestrian route composed of arches and pillars, usually open along one or both sides.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AQ151	CONSTRAINED_ STRING	Unitless	5	Feature Code
<u>allowed values:</u> AQ151						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						

	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.		
	<i>allowed values:</i> False			No Information			True		
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.		
	<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction		
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.		
	<i>allowed values:</i> U								
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.		
	<i>allowed values:</i> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)			Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.		
	<i>allowed values:</i> No Information								
	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.		
	<i>allowed values:</i> No Information								
	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.		
	<i>allowed values:</i> No Information								
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.		
	<i>allowed values:</i> No Information								

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Arcade (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Arcade (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Arcade (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Arcade (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Arcade (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Arcade (Area 00) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup 00)

Feature Arcade (Line 00)

New ☐ Arcade

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AQ151	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ151						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>			Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)
						Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)
						Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Arcade (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Arcade (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Arcade (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Arcade (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Arcade (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Arcade (Line 00) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup 00)

Feature ArcheologicalSite (Area 00)New ☐ Archeological Site**A site where remains of past civilizations or human activity have been discovered.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<u>allowed values:</u> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	AL012	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AL012						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						

Geographic Name Information : Name Identifier		1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.		
<i>allowed values:</i> No Information									
Navigation Landmark		1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.		
<i>allowed values:</i> False				No Information			True		
New	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical state of a structure, or site, as a whole.		
	<i>allowed values:</i> Damaged No Information Under Construction			Destroyed Other Unmaintained			Dismantled Ruined	Intact Site Preparation	
Restriction Information : Security Attributes Group (resource classification)		1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.		
<i>allowed values:</i> U									
Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.		
<i>allowed values:</i>		Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)	
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.		
<i>allowed values:</i> No Information									
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.		
<i>allowed values:</i> No Information									
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.		
<i>allowed values:</i> No Information									
Unique Entity Identifier		1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.		

allowed values: No Information

Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: ArcheologicalSite (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 ArcheologicalSite (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 ArcheologicalSite (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 ArcheologicalSite (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 ArcheologicalSite (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 ArcheologicalSite (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 ArcheologicalSite (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 ArcheologicalSite (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 ArcheologicalSite (Area 00) - is a member of group - Exactly one - CultureSrf (FeatureGroup 00)

Feature ArcheologicalSite (Point 00)New ☐ Archeological Site**A site where remains of past civilizations or human activity have been discovered.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<u>allowed values:</u> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	AL012	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AL012						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values: False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless	0	The physical state of a structure, or site, as a whole.
allowed values: Damaged No Information Under Construction			Destroyed Other Unmaintained			Dismantled Ruined Intact Site Preparation
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
U.S. Northern Command (USNORTHCOM)						U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.

allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: ArcheologicalSite (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 ArcheologicalSite (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 ArcheologicalSite (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 ArcheologicalSite (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 ArcheologicalSite (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 ArcheologicalSite (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 ArcheologicalSite (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 ArcheologicalSite (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 ArcheologicalSite (Point 00) - is a member of group - Exactly one - CulturePnt (FeatureGroup 00)

Feature AsphaltLake (Area 00)New ☐ Asphalt Lake**A natural accumulation of liquid asphalt.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999

New Feature Code	1	DA005	CONSTRAINED_STRING	Unitless	5	Feature Code
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allowed values: DA005

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

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values:	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values:	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values:	False		No Information		True	
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values:	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: AsphaltLake (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 AsphaltLake (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 AsphaltLake (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 AsphaltLake (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 AsphaltLake (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 AsphaltLake (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 AsphaltLake (Area 00) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup 00)

Feature AstronomicalObservatory (Area 00)

New ☐ Astronomical Observatory

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National State			International No Information			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL142	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL142						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Education Other			Hobbies and/or Leisure Activities Scientific Research and Development			No Information Observation Station
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i> Accurate			Approximate			Doubtful
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged			Destroyed			Dismantled
No Information			Ruined			Intact
Unmaintained						Site Preparation
						Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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AstronomicalObservatory (Area 00)

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
allowed values:	Conical Flat with Parapet Pitched with Clerestory With Clerestory With Steeple		Domed No Information Pyramidal With Cupola With Tower		Flat Other Sawtoothed With Minaret With Turret	Flat with Clerestory Pitched Semi-cylindrical With Smokestack
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Telescope Type	1	No Information	Enumeration	Unitless	0	The type of a telescope based on its design, structure and/or intended use.
allowed values:	No Information Radio Aerial Array		Optical		Other	Parabolic Radio Aerial
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values:	No Information					

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: AstronomicalObservatory (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 AstronomicalObservatory (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 AstronomicalObservatory (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 AstronomicalObservatory (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 AstronomicalObservatory (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 AstronomicalObservatory (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 AstronomicalObservatory (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 AstronomicalObservatory (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 AstronomicalObservatory (Area 00) - is a member of group - Exactly one - StructureSrf (FeatureGroup 00)

Feature AstronomicalObservatory (Point 00)

New ☐ Astronomical Observatory

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
allowed values: No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
allowed values: False			No Information			True
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
allowed values: -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
allowed values: Civilian National State			International No Information			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL142	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: AL142						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
allowed values: Education Other			Hobbies and/or Leisure Activities Scientific Research and Development			No Information Observation Station
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.

<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<u>allowed values:</u> Accurate Approximate Doubtful No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False No Information True						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u> Damaged Destroyed Dismantled Intact No Information Ruined Site Preparation Under Construction Unmaintained						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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AstronomicalObservatory (Point 00)

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
allowed values:	Conical Flat with Parapet Pitched with Clerestory With Clerestory With Steeple		Domed No Information Pyramidal With Cupola With Tower		Flat Other Sawtoothed With Minaret With Turret	Flat with Clerestory Pitched Semi-cylindrical With Smokestack
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Telescope Type	1	No Information	Enumeration	Unitless	0	The type of a telescope based on its design, structure and/or intended use.
allowed values:	No Information Radio Aerial Array		Optical			Other Parabolic Radio Aerial
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values:	No Information					

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: AstronomicalObservatory (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
AstronomicalObservatory (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
AstronomicalObservatory (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
AstronomicalObservatory (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
AstronomicalObservatory (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
AstronomicalObservatory (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
AstronomicalObservatory (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
AstronomicalObservatory (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
AstronomicalObservatory (Point 00) - is a member of group - Exactly one - StructurePnt (FeatureGroup 00)

Feature Barn (Area 00)

New ☐ Barn

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AJ085	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AJ085						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Agriculture No Information Warehousing and Storage			Animal Boarding Other			Dairying Raising of Animals Growing of Crops Recreation
Floor Count	1	-999999	REAL	Unitless	0	The number of floors in a structure (for example: a building).
<i>allowed values:</i> -999999						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i> Accurate			Approximate			Doubtful
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged			Destroyed			Dismantled
No Information			Ruined			Intact
Unmaintained						Site Preparation
						Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
allowed values:	Conical Flat with Parapet Pitched with Clerestory With Clerestory With Steeple		Domed No Information Pyramidal With Cupola With Tower		Flat Other Sawtoothed With Minaret With Turret	Flat with Clerestory Pitched Semi-cylindrical With Smokestack
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
allowed values:	Adobe Brick Masonry Prestressed Concrete Stone		Brick Metal Reinforced Concrete Wood		Concrete No Information Sod	Iron Other Steel
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Wireless Telecommunication Information : Wireless Telecommunication Type	1	No Information	Enumeration	Unitless	0	The type of a wireless telecommunication service based on the mechanism(s) of transmission and/or the nature of the communication(s) supported. [Description] For example, radio broadcast or mobile phone service.

allowed values: Cellular Phone Other Television (TV)	Microwave Radio Relay Radio Broadcast	Mobile Phone Radio Telephone	No Information Radio-telegraph
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Relationships: Barn (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Barn (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Barn (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Barn (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Barn (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Barn (Area 00) - is a member of group - Exactly one - AgricultureSrf (FeatureGroup 00)
 Barn (Area 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
 Barn (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)

Feature Barn (Point 00)New ☐ Barn**A roofed farm building designed for sheltering harvested crops (for example: hay), livestock (for example: cattle), and/or farm machinery (for example: tractors and plows).**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
allowed values: No Information						
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
allowed values: -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
allowed values: Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AJ085	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: AJ085						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
allowed values: Agriculture No Information Warehousing and Storage			Animal Boarding Other			Dairying Raising of Animals Growing of Crops Recreation
Floor Count	1	-999999	REAL	Unitless	0	The number of floors in a structure (for example: a building).
allowed values: -999999						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values: No Information						

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i> Accurate			Approximate			Doubtful
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged			Destroyed			Dismantled
No Information			Ruined			Intact
Unmaintained						Site Preparation
						Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
allowed values:	Conical Flat with Parapet Pitched with Clerestory With Clerestory With Steeple		Domed No Information Pyramidal With Cupola With Tower		Flat Other Sawtoothed With Minaret With Turret	Flat with Clerestory Pitched Semi-cylindrical With Smokestack
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
allowed values:	Adobe Brick Masonry Prestressed Concrete Stone		Brick Metal Reinforced Concrete Wood		Concrete No Information Sod	Iron Other Steel
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Wireless Telecommunication Information : Wireless Telecommunication Type	1	No Information	Enumeration	Unitless	0	The type of a wireless telecommunication service based on the mechanism(s) of transmission and/or the nature of the communication(s) supported. [Description] For example, radio broadcast or mobile phone service.

<i>allowed values:</i> Cellular Phone Other Television (TV)	Microwave Radio Relay Radio Broadcast	Mobile Phone Radio Telephone	No Information Radio-telegraph
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Relationships: Barn (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Barn (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Barn (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Barn (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Barn (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Barn (Point 00) - is a member of group - Exactly one - AgriculturePnt (FeatureGroup 00)
 Barn (Point 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Barn (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
 Barn (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)

Feature BasinGate (Line 00)New ☐ Basin Gate

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basin Gate Type	1	No Information	Enumeration	Unitless	0	The type of a basin gate based on its structure and/or intended use.
<i>allowed values:</i> Caisson Tide Lock			Lock Gate			No Information Other
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BI045	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> BI045						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Height of Object	1	-999999	REAL	Metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>			Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.

allowed values: No Information

Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
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<u>allowed values:</u> Concrete	Iron	Metal	No Information
Other	Prestressed Concrete	Reinforced Concrete	Steel
Treated Timber	Wood		

Thickness	1	-999999	REAL	Metre	0	The distance between the two opposite surfaces of an object, usually the distance of smallest measure. [Description] The third dimension of an object, distinct from length and width (breadth).
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allowed values: -999999

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Relationships: BasinGate (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 BasinGate (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 BasinGate (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 BasinGate (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 BasinGate (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 BasinGate (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 BasinGate (Line 00) - is a member of group - Exactly one - TransportationWaterCrv (FeatureGroup 00)

Feature BasinGate (Point 00)New ☐ Basin Gate**A gate that impounds water within a basin or chamber that is used by watercraft. [Description] For example, gates used at locks or dry docks.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basin Gate Type	1	No Information	Enumeration	Unitless	0	The type of a basin gate based on its structure and/or intended use.
<u>allowed values:</u> Caisson Tide Lock			Lock Gate			No Information Other
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BI045	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BI045						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Height of Object	1	-999999	REAL	Metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						

Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
U.S. Northern Command (USNORTHCOM)						U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Concrete Other Treated Timber			Iron Prestressed Concrete Wood			Metal Reinforced Concrete No Information Steel
Thickness	1	-999999	REAL	Metre	0	The distance between the two opposite surfaces of an object, usually the distance of smallest measure. [Description] The third dimension of an object, distinct from length and width (breadth).
<i>allowed values:</i> -999999						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: BasinGate (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 BasinGate (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 BasinGate (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 BasinGate (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 BasinGate (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 BasinGate (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 BasinGate (Point 00) - is a member of group - Exactly one - TransportationWaterPnt (FeatureGroup 00)

Feature Beach (Area 00)New ☐ Beach

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Feature Code	1	BA050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BA050						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Maritime Bottom Characteristic (second material quality)	1	No Information	Enumeration	Unitless	0	The physical characteristic(s) (for example: particle size, morphology or consistency) of the primary type of material composing a feature. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.

allowed values:	Bare	Broken	Calcareous	Coarse				
	Decayed	Fine	Flinty	Glacial				
	Gritty	Ground	Hard	Irregular				
	Large	Medium	Mobile Bottom	No Information				
	Other	Rocky	Rotten	Small				
	Soft	Speckled	Sticky	Stiff				
	Streaky	Tenacious	Varied	Volcanic				
	allowed values:	Bare	Broken	Calcareous	Coarse			
Decayed		Fine	Flinty	Glacial				
Gritty		Ground	Hard	Irregular				
Large		Medium	Mobile Bottom	No Information				
Other		Rocky	Rotten	Small				
Soft		Speckled	Sticky	Stiff				
Streaky		Tenacious	Varied	Volcanic				
Restriction Information : Security Attributes Group (resource classification)		1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
allowed values: U								
Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)				
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)				
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)				
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)				
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)				
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)				
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)				
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army				
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard				
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State				
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)				
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration				
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)				
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)				
	U.S. Transportation Command (USTRANSCOM)							
	Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
	allowed values: No Information							
	Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information								
Maritime Bottom Characteristic (Second Sediment Colour)		1	No Information	Enumeration	Unitless	0	The general colour of a waterbody sediment based on the Geological Society of America (GSA) rock colour chart and the Munsell colour system. [Description] The Munsell system is based on a colour solid, or approximately a colour sphere, which has a neutral gray central axis grading from white at the top to black at the bottom. This property of lightness is called value. Around the circumference or equator of the solid are the ten major hues, each of which is divided into ten numbered divisions, so that 5 marks the middle of the hue, and 10 marks the boundary between one hue and the next. Thus, any particular hue can be designated by a number and a letter such as 5R or 10YR. Any single vertical section through the neutral gray axis and a particular hue constitutes a colour chart on which the colors grade in value from light at the top to dark at the bottom, and in chroma (degree of saturation) from gray at one edge to the most vivid colors out at the margin. Both value and chroma are numbered so any particular colour can be given a numerical designation representing hue, value, and chroma such as 5R 6/4 and 10YR 8/2. Colour names are based on the Inter-Society Color Council-National Bureau of Standards system of names.	

<i>allowed values:</i>	Black	Brilliant Green	Dark Greenish Yellow	Dark Reddish Brown				
	Dark Yellowish Green	Dusky Blue Green	Dusky Green	Dusky Red				
	Dusky Yellow	Dusky Yellowish Green	Grayish Green	Grayish Orange Pink				
	Grayish Red	Grayish Yellow	Grayish Yellowish Green	Greenish Olive				
	Light Blue Green	Light Green	Light Olive	Light Olive Brown				
	Light Red	Light Yellowish Green	Moderate Grayish Green	Moderate Green				
	Moderate Greenish Yellow	Moderate Olive Brown	Moderate Orange Pink	Moderate Pink				
	Moderate Red	Moderate Reddish Brown	Moderate Reddish Orange	Moderate Yellow				
	Moderate Yellowish Green	No Information	Other	Pale Grayish Green				
	Pale Green	Pale Greenish Yellow	Pale Olive	Pale Pink				
	Pale Purple	Pale Red	Pale Red Purple	Pale Reddish Brown				
	Pale Yellowish Green	Very Dark Red	Very Dusky Purple	Very Dusky Red				
	Very Dusky Red Purple	Very Pale Green	White					
	<i>allowed values:</i>	Black	Brilliant Green	Dark Greenish Yellow	Dark Reddish Brown			
		Dark Yellowish Green	Dusky Blue Green	Dusky Green	Dusky Red			
		Dusky Yellow	Dusky Yellowish Green	Grayish Green	Grayish Orange Pink			
		Grayish Red	Grayish Yellow	Grayish Yellowish Green	Greenish Olive			
Light Blue Green		Light Green	Light Olive	Light Olive Brown				
Light Red		Light Yellowish Green	Moderate Grayish Green	Moderate Green				
Moderate Greenish Yellow		Moderate Olive Brown	Moderate Orange Pink	Moderate Pink				
Moderate Red		Moderate Reddish Brown	Moderate Reddish Orange	Moderate Yellow				
Moderate Yellowish Green		No Information	Other	Pale Grayish Green				
Pale Green		Pale Greenish Yellow	Pale Olive	Pale Pink				
Pale Purple		Pale Red	Pale Red Purple	Pale Reddish Brown				
Pale Yellowish Green		Very Dark Red	Very Dusky Purple	Very Dusky Red				
Very Dusky Red Purple		Very Pale Green	White					
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
<i>allowed values:</i> No Information								
Maritime Bottom Characteristic (Second Material Type)		1	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.	
<i>allowed values:</i>		Ash	Bedrock	Boulders	Calcareous			
	Chalk	Cinders	Cirripedia	Clay				
	Cobbles	Conglomerate	Coral	Coral Head				
	Diatomaceous Earth	Foraminifera	Frozen Water	Fucus				
	Gravel	Ground Shell	Lava	Loess				
	Madrepore	Manganese	Marl	Matte				
	Mud	Mussels	No Information	Ooze				
	Other	Oysters	Pebbles	Plant Material				
	Pumice	Quartz	Radiolaria	Rock				
	Sand	Schist	Scoria	Sea Moss				
	Shell	Shingle	Silt	Soil				
	Spicules	Sponge	Stone	Tufa				
	Volcanic Ash							

allowed values:

Ash
Chalk
Cobbles
Diatomaceous Earth
Gravel
Madrepore
Mud
Other
Pumice
Sand
Shell
Spicules
Volcanic Ash

Bedrock
Cinders
Conglomerate
Foraminifera
Ground Shell
Manganese
Mussels
Oysters
Quartz
Schist
Shingle
Sponge

Boulders
Cirripedia
Coral
Frozen Water
Lava
Marl
No Information
Pebbles
Radiolaria
Scoria
Silt
Stone

Calcareous
Clay
Coral Head
Fucus
Loess
Matte
Ooze
Plant Material
Rock
Sea Moss
Soil
Tufa

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Relationships: Beach (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Beach (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Beach (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Beach (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Beach (Area 00) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup 00)
 Beach (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 Beach (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature BeachLandingSite (Area 00)New ☐ Beach Landing Site**A location on a beach suitable for the landing of troops and vehicles.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Delineation Known	1	No Information	Boolean	Unitless	0	An indication that the delineation (for example: limits and information) of a feature is known.
allowed values: FALSE			No Information			TRUE
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BB150	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: BB150						
Man-made	1	No Information	Boolean	Unitless	0	An indication that a feature is man-made.
allowed values: False			No Information			True
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
allowed values: Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
allowed values: U							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:							
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)	Military Geography Division (Poland)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
No Information			Other			Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force	U.S. Army
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)	U.S. Department of State
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy	U.S. Northern Command (USNORTHCOM)
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
U.S. Transportation Command (USTRANSCOM)							
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values: No Information							
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values: No Information							
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values: No Information							
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values: No Information							

Relationships: BeachLandingSite (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 BeachLandingSite (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 BeachLandingSite (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 BeachLandingSite (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 BeachLandingSite (Area 00) - is a member of group - Exactly one - MilitarySrf (FeatureGroup 00)
 BeachLandingSite (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 BeachLandingSite (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature BeachLandingSite (Point 00)

New ☐ Beach Landing Site

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition		
Delineation Known	1	No Information	Boolean	Unitless	0	An indication that the delineation (for example: limits and information) of a feature is known.		
<i>allowed values:</i>	FALSE		No Information		TRUE			
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.		
<i>allowed values:</i>	No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational Operational			
New Feature Code	1	BB150	CONSTRAINED_STRING	Unitless	5	Feature Code		
<i>allowed values:</i>	BB150							
Man-made	1	No Information	Boolean	Unitless	0	An indication that a feature is man-made.		
<i>allowed values:</i>	False		No Information		True			
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.		
<i>allowed values:</i>	No Information							
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.		
<i>allowed values:</i>	Damaged No Information Unmaintained		Destroyed Ruined		Dismantled Site Preparation Intact Under Construction			
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.		
<i>allowed values:</i>	U							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.		
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)	
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.		
<i>allowed values:</i>	No Information							

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<u>allowed values:</u> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<u>allowed values:</u> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: BeachLandingSite (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 BeachLandingSite (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 BeachLandingSite (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 BeachLandingSite (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 BeachLandingSite (Point 00) - is a member of group - Exactly one - MilitaryPnt (FeatureGroup 00)
 BeachLandingSite (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
 BeachLandingSite (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 BeachLandingSite (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature BeachProfile (Area 00)New ☐ Beach Profile**A representation of the three dimensional relief of the beach along a line or series of connected lines.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Feature Code	1	BE050	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BE050						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<u>allowed values:</u> Accurate			Approximate			Doubtful
						No Information
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: BeachProfile (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 BeachProfile (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 BeachProfile (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 BeachProfile (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 BeachProfile (Area 00) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup 00)
 BeachProfile (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 BeachProfile (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature Benchmark (Point 00)New ☐ **Benchmark****A reference mark on a permanent object indicating elevation relative to an established datum.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values: No Information			Non-operational			Not in Operation
Partially Operational			Planned			Temporarily Non-operational

New	Feature Code	1	ZB020	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> ZB020							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information							
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged Destroyed Dismantled Intact No Information Ruined Site Preparation Under Construction Unmaintained							
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U							
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Army Geographic Centre (Spain) Army Geographic Institute (Portugal) Bundeswehr Geoinformation Office (Germany) Defence Acquisition and Logistics Organization (Denmark) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Defence Imagery and Geospatial Organisation (Australia) Defense Information Security (Italy) General Command of Mapping (Turkey) Geographic Service (Belgium) Geographic Service of the Czech Armed Forces (Czech Republic) Geospatial Information Agency (Latvia) Geospatial Intelligence Organisation (New Zealand) Hellenic Military Geographic Service (Greece) Joint Geography Bureau (France) Mapping and Charting Establishment (Canada) Mapping Service (Hungary) Military Geographic Group (Estonia) Military Geographic Service (Norway) Military Geography Division (Poland) Military Mapping Centre (Lithuania) Military Topographic Directorate (Romania) Military Topographic Service (Bulgaria) National Army Topographic Service (Moldova) No Information Other Swedish Armed Forces (Sweden) Topographic Institute (Slovakia) Topographic Service (Finland) U.S. Africa Command (USAFRICOM) U.S. Air Force U.S. Army U.S. Army Geospatial Center (AGC) U.S. Central Command (USCENTCOM) U.S. Central Intelligence Agency (CIA) U.S. Coast Guard U.S. Defense Intelligence Agency (DIA) U.S. Department of Energy (DOE) U.S. Department of Homeland Security (DHS) U.S. Department of State U.S. European Command (USEUCOM) U.S. Federal Bureau of Investigation (FBI) U.S. Geological Survey (USGS) U.S. Joint Forces Command (USJFCOM) U.S. Marine Corps U.S. National Civil Applications Program (NCAP) U.S. National Geospatial-Intelligence Agency (NGA) U.S. National Oceanic and Atmospheric Administration U.S. National Reconnaissance Office (NRO) U.S. National Security Agency (NSA) U.S. Navy U.S. Northern Command (USNORTHCOM) U.S. Pacific Command (PACOM) U.S. Southern Command (USSOUTHCOM) U.S. Special Operations Command (USSOCOM) U.S. Strategic Command (USSTRATCOM) U.S. Transportation Command (USTRANSCOM)							
	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information							

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Survey Control Point Type	1	No Information	Enumeration	Unitless	0	The type of a control point established by surveying methods based on method of establishment and/or intended use.
<i>allowed values:</i> Benchmark Vertical Position			Horizontal Position			Horizontal Position and Benchmark No Information
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						

Relationships: Benchmark (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Benchmark (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Benchmark (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Benchmark (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Benchmark (Point 00) - is a member of group - Exactly one - HypsographyPnt (FeatureGroup 00)
 Benchmark (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 Benchmark (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature Berth (Point 00)

New ☐ Berth

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Berth Identifier	1	No Information	String	Unitless	254	The designated number or letter used to identify this feature.
<i>allowed values:</i> No Information						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BB020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BB020						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values: <div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: Berth (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
Berth (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
Berth (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
Berth (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
Berth (Point 00) - is a member of group - Exactly one - PortHarbourPnt (FeatureGroup 00)
Berth (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
Berth (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature Billboard (Point 00)

New ☐ Billboard

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

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

Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AG050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AG050						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Accommodation Commerce Food Service Law Enforcement Museum Petrol Sale Public Order, Safety and Security Services Restaurant			Amusement Cultural, Arts and Entertainment Government Library Navigation Postal Activities Publishing and Broadcasting Restroom			Botanical and/or Zoological Reserve Activities Defence Activities Human Health Activities Membership Organization No Information Professional, Scientific and Technical Recreation Short-term Accommodation <i>Business and Personal Support Services</i> Education Institution Motor Vehicle Repair Other Public Administration Religious Activities Sports, Amusement and Recreation
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Height of Object	1	-999999	REAL	Metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
<i>allowed values:</i> No Information						

Relationships: Billboard (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Billboard (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Billboard (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Billboard (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Billboard (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Billboard (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Billboard (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Billboard (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Billboard (Point 00) - is a member of group - Exactly one - StructurePnt (FeatureGroup 00)

Feature **BlastFurnace (Area 00)** New ☐ Blast-furnace

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AC010	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AC010						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.

<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
<i>allowed values:</i> No Information						
<i>allowed values:</i> True						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged						
<i>allowed values:</i> No Information						
<i>allowed values:</i> Unmaintained						
<i>allowed values:</i> Destroyed						
<i>allowed values:</i> Ruined						
<i>allowed values:</i> Dismantled						
<i>allowed values:</i> Site Preparation						
<i>allowed values:</i> Intact						
<i>allowed values:</i> Under Construction						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands)						
<i>allowed values:</i> Defence Acquisition and Logistics Organization (Denmark)						
<i>allowed values:</i> General Command of Mapping (Turkey)						
<i>allowed values:</i> Army Geographic Centre (Spain)						
<i>allowed values:</i> Defence Geographic Centre Intelligence Collection Group (United Kingdom)						
<i>allowed values:</i> Geographic Service (Belgium)						
<i>allowed values:</i> Army Geographic Institute (Portugal)						
<i>allowed values:</i> Defence Imagery and Geospatial Organisation (Australia)						
<i>allowed values:</i> Geographic Service of the Czech Armed Forces (Czech Republic)						
<i>allowed values:</i> Bundeswehr Geoinformation Office (Germany)						
<i>allowed values:</i> Defense Information Security (Italy)						
<i>allowed values:</i> Geospatial Intelligence Organisation (New Zealand)						
<i>allowed values:</i> Mapping Service (Hungary)						
<i>allowed values:</i> Military Mapping Centre (Lithuania)						
<i>allowed values:</i> No Information						
<i>allowed values:</i> Topographic Service (Finland)						
<i>allowed values:</i> U.S. Army Geospatial Center (AGC)						
<i>allowed values:</i> U.S. Defense Intelligence Agency (DIA)						
<i>allowed values:</i> U.S. European Command (USEUCOM)						
<i>allowed values:</i> U.S. Marine Corps						
<i>allowed values:</i> Hellenic Military Geographic Service (Greece)						
<i>allowed values:</i> Military Geographic Group (Estonia)						
<i>allowed values:</i> Military Topographic Directorate (Romania)						
<i>allowed values:</i> Other						
<i>allowed values:</i> U.S. Africa Command (USAFRICOM)						
<i>allowed values:</i> U.S. Central Command (USCENTCOM)						
<i>allowed values:</i> U.S. Department of Energy (DOE)						
<i>allowed values:</i> U.S. Federal Bureau of Investigation (FBI)						
<i>allowed values:</i> U.S. National Civil Applications Program (NCAP)						
<i>allowed values:</i> Joint Geography Bureau (France)						
<i>allowed values:</i> Military Geographic Service (Norway)						
<i>allowed values:</i> Military Topographic Service (Bulgaria)						
<i>allowed values:</i> Swedish Armed Forces (Sweden)						
<i>allowed values:</i> U.S. Air Force						
<i>allowed values:</i> U.S. Central Intelligence Agency (CIA)						
<i>allowed values:</i> U.S. Department of Homeland Security (DHS)						
<i>allowed values:</i> U.S. Geological Survey (USGS)						
<i>allowed values:</i> U.S. National Geospatial-Intelligence Agency (NGA)						
<i>allowed values:</i> Mapping and Charting Establishment (Canada)						
<i>allowed values:</i> Military Geography Division (Poland)						
<i>allowed values:</i> National Army Topographic Service (Moldova)						
<i>allowed values:</i> Topographic Institute (Slovakia)						
<i>allowed values:</i> U.S. Army						
<i>allowed values:</i> U.S. Coast Guard						
<i>allowed values:</i> U.S. Department of State						
<i>allowed values:</i> U.S. Joint Forces Command (USJFCOM)						
<i>allowed values:</i> U.S. National Oceanic and Atmospheric Administration						
<i>allowed values:</i> U.S. Northern Command (USNORTHCOM)						
<i>allowed values:</i> U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.

allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: BlastFurnace (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 BlastFurnace (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 BlastFurnace (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 BlastFurnace (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 BlastFurnace (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 BlastFurnace (Area 00) - is a member of group - Exactly one - IndustrySrf (FeatureGroup 00)
 BlastFurnace (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)

Feature BlastFurnace (Point 00)New ☐ Blast-furnace**A smelting furnace in which a blast of air is used, especially one for iron-smelting using a compressed hot air blast.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<u>allowed values:</u> <i>False</i>			No Information			<i>True</i>
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information <i>Partially Operational</i>			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AC010	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> <i>AC010</i>						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information True						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged Destroyed Dismantled Intact No Information Ruined Site Preparation Under Construction Unmaintained						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Army Geographic Centre (Spain) Army Geographic Institute (Portugal) Bundeswehr Geoinformation Office (Germany) Defence Acquisition and Logistics Organization (Denmark) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Defence Imagery and Geospatial Organisation (Australia) Defense Information Security (Italy) General Command of Mapping (Turkey) Geographic Service (Belgium) Geographic Service of the Czech Armed Forces (Czech Republic) Geospatial Information Agency (Latvia) Geospatial Intelligence Organisation (New Zealand) Hellenic Military Geographic Service (Greece) Joint Geography Bureau (France) Mapping and Charting Establishment (Canada) Mapping Service (Hungary) Military Geographic Group (Estonia) Military Geographic Service (Norway) Military Geography Division (Poland) Military Mapping Centre (Lithuania) Military Topographic Directorate (Romania) Military Topographic Service (Bulgaria) National Army Topographic Service (Moldova) No Information Other Swedish Armed Forces (Sweden) Topographic Institute (Slovakia) Topographic Service (Finland) U.S. Africa Command (USAFRICOM) U.S. Air Force U.S. Army U.S. Army Geospatial Center (AGC) U.S. Central Command (USCENTCOM) U.S. Central Intelligence Agency (CIA) U.S. Coast Guard U.S. Defense Intelligence Agency (DIA) U.S. Department of Energy (DOE) U.S. Department of Homeland Security (DHS) U.S. Department of State U.S. European Command (USEUCOM) U.S. Federal Bureau of Investigation (FBI) U.S. Geological Survey (USGS) U.S. Joint Forces Command (USJFCOM) U.S. Marine Corps U.S. National Civil Applications Program (NCAP) U.S. National Geospatial-Intelligence Agency (NGA) U.S. National Oceanic and Atmospheric Administration U.S. National Reconnaissance Office (NRO) U.S. National Security Agency (NSA) U.S. Navy U.S. Northern Command (USNORTHCOM) U.S. Pacific Command (PACOM) U.S. Southern Command (USSOUTHCOM) U.S. Special Operations Command (USSOCOM) U.S. Strategic Command (USSTRATCOM) U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: BlastFurnace (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 BlastFurnace (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 BlastFurnace (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 BlastFurnace (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 BlastFurnace (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 BlastFurnace (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 BlastFurnace (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 BlastFurnace (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 BlastFurnace (Point 00) - is a member of group - Exactly one - IndustryPnt (FeatureGroup 00)

Feature Bog (Area 00)New ☐ Bog

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre		The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999						
Average Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999, -999999]			No Information			
Bog Type	1	No Information	Enumeration	Unitless	0	The type of a bog or fen based on its morphology and/or dominant vegetation. [Description] A fen is similar to a bog but may have alkaline, neutral, or only slightly acid peaty soil whereas a bog is generally very acidic. In both cases the vegetation is usually dominated by peat mosses, ericaceous shrubs, and sedges.
<i>allowed values:</i>			Atlantic Plateau Bog Domed Bog Lowland Polygon Bog Palsa Bog Shore Fen Veneer Bog	Basin Bog Fen No Information Peat Bog Slope Bog	Blanket Bog Flat Bog Northern Ribbed Fen Peat Plateau Bog Slope Fen	Cranberry Bog Horizontal Fen Other Polygonal Peat Plateau Bog String Bog
Bottom Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing the bottom of a body of water.

<i>allowed values:</i> Bedrock Other Sand and Gravel							Clay and Silt Peat Sand over Mud	Gravel and Cobble Rocks and Boulders Silty Sands	No Information Sand Soil
New	Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre			The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.	
<i>allowed values:</i> -999999									
New	Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density			The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.	
<i>allowed values:</i> -999999									
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre			The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN ⁻ . These are powerful poisons that are toxic to humans and aquatic life.	
<i>allowed values:</i> -999999									
New	Deepest Depth Below Surface Level	1	-999999	Real	Metre			The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.	
<i>allowed values:</i> -999999									
New	Feature Code	1	BH015	CONSTRAINED_STRING	Unitless	5		Feature Code	
<i>allowed values:</i> BH015									
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200		A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.	
<i>allowed values:</i> No Information									
	Hydrologic Persistence	1	No Information	Enumeration	Unitless			The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.	
<i>allowed values:</i> Dry Perennial							Ephemeral	Intermittent	No Information
	Length	1	-999999	REAL	Metre	0		The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999									
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre			The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.	
<i>allowed values:</i> -999999									
	Note : Memorandum	1	No Information	String	Unitless	2E+09		A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information									
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18		The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information									
New	Water Resource Information : pH of Water	1	-999999	Real	Milligrams per Litre			The logarithm of the reciprocal of hydrogen ion (H ⁺) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.	
<i>allowed values:</i> -999999									
	Predominant Maximum Water Depth	1	[-999999, -999999]	Real_Interval	Metre			The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.	
<i>allowed values:</i> [-999999, -999999]							No Information		

Predominant Minimum Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
allowed values:		[-999999, -999999]		No Information		
Predominant Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
allowed values:		[-999999, -999999]		No Information		
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values:		U				
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:		Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)	
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:		No Information				
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:		No Information				
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:		No Information				
New Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre		The mass of sulfate ions per volume of solution.
allowed values:		-999999				
New Water Resource Information : Temperature	1	-999999	Real	Degree Celsius		The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
allowed values:		-999999				
Tide Influenced	1	No Information	Boolean	Unitless	0	An indication that a waterbody is affected by the tide.
allowed values:		False		No Information		True

New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	The total mass of dissolved inorganic chemical constituents per volume of solution.	
	<i>allowed values:</i> -999999						
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).	
	<i>allowed values:</i> -999999						
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<i>allowed values:</i> No Information						
	Vegetation Trafficability Impact	1	[-999999, -999999]	Real_Interval	Percent	The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).	
	<i>allowed values:</i> [-999999, -999999]						
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	The electrical conductivity of water.	
	<i>allowed values:</i> -999999						
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.	
	<i>allowed values:</i> -999999						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	The potability of water based on the type of treatment required before it is safe for human consumption.	
	<i>allowed values:</i> Contaminated Potable		No Information Treatable		Nonpotable		Other
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	The type of available water based on its composition.	
	<i>allowed values:</i> Alkaline Mineral Saline		Brackish No Information Seawater		Brine Not Applicable		Fresh Other
New	Water Resource Information : Water Use	1	No Information	Enumeration	Unitless	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.	
	<i>allowed values:</i> Agricultural Irrigation Institutional Other		Commercial Livestock Power Generation		Domestic Irrigation Municipal Recreational		Industrial No Information Sanitary Domestic
	Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999						

Relationships: Bog (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Bog (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Bog (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Bog (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Bog (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Bog (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Bog (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Bog (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Bog (Area 00) - is a member of group - Exactly one - VegetationSrf (FeatureGroup 00)

Feature Borehole (Point 00) New ☐ Borehole

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational						
			Non-operational Planned			Not in Operation Temporarily Non-operational
New Feature Code	1	AA045	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AA045						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information Unmaintained						
			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained						
			Destroyed Ruined			Dismantled Site Preparation
						Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.

allowed values: U

Process Step Information : Resource 1 No Information Enumeration Unitless 0 The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:

Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings) 1 No Information String Unitless 254 Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.

allowed values: No Information

Restriction Information : Security Attributes Group (resource owner-producer) 1 No Information String Unitless 254 The national government or international organization owner(s) and/or producer(s) of the resource.

allowed values: No Information

Rig Present 1 No Information Boolean Unitless 0 An indication that a rig is present. [Description] A rig is a superstructure fitted for drilling or lifting operations for extraction and/or exploitation of natural resources.

allowed values: False

No Information

True

Specified Domain Values(s) 1 No Information String Unitless 2E+09 One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.

allowed values: No Information

Unique Entity Identifier 1 No Information String Unitless 254 The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: Borehole (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Borehole (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Borehole (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Borehole (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Borehole (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Borehole (Point 00) - is a member of group - Exactly one - IndustryPnt (FeatureGroup 00)

Feature BotanicGarden (Area 00)

New ☐ Botanic Garden

A culturally designated tract where plants are displayed.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person. <u>allowed values:</u> No Information
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature. <u>allowed values:</u> -999999
New Feature Code	1	EA031	CONSTRAINED_STRING	Unitless	5	Feature Code <u>allowed values:</u> EA031
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end. <u>allowed values:</u> No Information
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof. <u>allowed values:</u> -999999
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter. <u>allowed values:</u> -999999
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length. <u>allowed values:</u> No Information
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information. <u>allowed values:</u> No Information
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air. <u>allowed values:</u> False No Information True
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. <u>allowed values:</u> U
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: BotanicGarden (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 BotanicGarden (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 BotanicGarden (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 BotanicGarden (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 BotanicGarden (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 BotanicGarden (Area 00) - is a member of group - Exactly one - CultureSrf (FeatureGroup 00)

Feature BottomCharacterRegion (Area 00)

New ☐ Bottom Characteristic Region

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	BF010	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BF010						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Maritime Bottom Characteristic (first material quality)	1	No Information	Enumeration	Unitless	0	The physical characteristic(s) (for example: particle size, morphology or consistency) of the primary type of material composing a feature. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<u>allowed values:</u> Bare Decayed Gritty Large Other Soft Streaky			Broken Fine Ground Medium Rocky Speckled Tenacious			Calcareous Flinty Hard Mobile Bottom Rotten Sticky Varied Coarse Glacial Irregular No Information Small Stiff Volcanic
<u>allowed values:</u> Bare Decayed Gritty Large Other Soft Streaky			Broken Fine Ground Medium Rocky Speckled Tenacious			Calcareous Flinty Hard Mobile Bottom Rotten Sticky Varied Coarse Glacial Irregular No Information Small Stiff Volcanic
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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BottomCharacterRegion (Area 00)

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings) 1 No Information String Unitless 254 Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.

allowed values: No Information
Restriction Information : Security Attributes Group (resource owner-producer) 1 No Information String Unitless 254 The national government or international organization owner(s) and/or producer(s) of the resource.

allowed values: No Information
Maritime Bottom Characteristic (Second Sediment Colour) 1 No Information Enumeration Unitless 0 The general colour of a waterbody sediment based on the Geological Society of America (GSA) rock colour chart and the Munsell colour system. [Description] The Munsell system is based on a colour solid, or approximately a colour sphere, which has a neutral gray central axis grading from white at the top to black at the bottom. This property of lightness is called value. Around the circumference or equator of the solid are the ten major hues, each of which is divided into ten numbered divisions, so that 5 marks the middle of the hue, and 10 marks the boundary between one hue and the next. Thus, any particular hue can be designated by a number and a letter such as 5R or 10YR. Any single vertical section through the neutral gray axis and a particular hue constitutes a colour chart on which the colors grade in value from light at the top to dark at the bottom, and in chroma (degree of saturation) from gray at one edge to the most vivid colors out at the margin. Both value and chroma are numbered so any particular colour can be given a numerical designation representing hue, value, and chroma such as 5R 6/4 and 10YR 8/2. Colour names are based on the Inter-Society Color Council-National Bureau of Standards system of names.

allowed values:	Black	Brilliant Green	Dark Greenish Yellow	Dark Reddish Brown
	Dark Yellowish Green	Dusky Blue Green	Dusky Green	Dusky Red
	Dusky Yellow	Dusky Yellowish Green	Grayish Green	Grayish Orange Pink
	Grayish Red	Grayish Yellow	Grayish Yellowish Green	Greenish Olive
	Light Blue Green	Light Green	Light Olive	Light Olive Brown
	Light Red	Light Yellowish Green	Moderate Grayish Green	Moderate Green
	Moderate Greenish Yellow	Moderate Olive Brown	Moderate Orange Pink	Moderate Pink
	Moderate Red	Moderate Reddish Brown	Moderate Reddish Orange	Moderate Yellow
	Moderate Yellowish Green	No Information	Other	Pale Grayish Green
	Pale Green	Pale Greenish Yellow	Pale Olive	Pale Pink
	Pale Purple	Pale Red	Pale Red Purple	Pale Reddish Brown
	Pale Yellowish Green	Pale Red Red	Very Dusky Purple	Very Dusky Red
	Very Dusky Red Purple	Very Pale Green	White	

<i>allowed values:</i>	Black Dark Yellowish Green Dusky Yellow Grayish Red Light Blue Green Light Red Moderate Greenish Yellow Moderate Red Moderate Yellowish Green Pale Green Pale Purple Pale Yellowish Green Very Dusky Red Purple		Brilliant Green Dusky Blue Green Dusky Yellowish Green Grayish Yellow Light Green Light Yellowish Green Moderate Olive Brown Moderate Reddish Brown No Information Pale Greenish Yellow Pale Red Very Dark Red Very Pale Green		Dark Greenish Yellow Dusky Green Grayish Green Grayish Yellowish Green Light Olive Moderate Grayish Green Moderate Orange Pink Moderate Reddish Orange Other Pale Olive Pale Red Purple Very Dusky Purple White		Dark Reddish Brown Dusky Red Grayish Orange Pink Greenish Olive Light Olive Brown Moderate Green Moderate Pink Moderate Yellow Pale Grayish Green Pale Pink Pale Reddish Brown Very Dusky Red
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
<i>allowed values:</i>	No Information						
Maritime Bottom Characteristic (Second Material Type)	1	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.	
<i>allowed values:</i>	Ash Chalk Cobbles Diatomaceous Earth Gravel Madrepore Mud Other Pumice Sand Shell Spicules Volcanic Ash		Bedrock Cinders Conglomerate Foraminifera Ground Shell Manganese Mussels Oysters Quartz Schist Shingle Sponge		Boulders Cirripedia Coral Frozen Water Lava Marl No Information Pebbles Radiolaria Scoria Silt Stone		Calcareous Clay Coral Head Fucus Loess Matte Ooze Plant Material Rock Sea Moss Soil Tufa
<i>allowed values:</i>	Ash Chalk Cobbles Diatomaceous Earth Gravel Madrepore Mud Other Pumice Sand Shell Spicules Volcanic Ash		Bedrock Cinders Conglomerate Foraminifera Ground Shell Manganese Mussels Oysters Quartz Schist Shingle Sponge		Boulders Cirripedia Coral Frozen Water Lava Marl No Information Pebbles Radiolaria Scoria Silt Stone		Calcareous Clay Coral Head Fucus Loess Matte Ooze Plant Material Rock Sea Moss Soil Tufa
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
<i>allowed values:</i>	No Information						
Vegetation Characteristic	1	No Information	Enumeration	Unitless	0	The type of a vegetated area based on species, biome, physiography and/or structural organization.	
<i>allowed values:</i>	Algae		No Information			Other	Sea Grass

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: BottomCharacterRegion (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 BottomCharacterRegion (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 BottomCharacterRegion (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 BottomCharacterRegion (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 BottomCharacterRegion (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)
 BottomCharacterRegion (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 BottomCharacterRegion (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature BottomCharacterRegion (Point 00)

New ☐ Bottom Characteristic Region

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	BF010	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BF010						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Maritime Bottom Characteristic (first material quality)	1	No Information	Enumeration	Unitless	0	The physical characteristic(s) (for example: particle size, morphology or consistency) of the primary type of material composing a feature. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<u>allowed values:</u>						
Bare			Broken			Calcareous
Decayed			Fine			Coarse
Gritty			Ground			Flinty
Large			Medium			Hard
Other			Rocky			Mobile Bottom
Soft			Speckled			Rotten
Streaky			Tenacious			Sticky
						Stiff
						Volcanic
						Varied

allowed values:	Bare Decayed Gritty Large Other Soft Streaky	Broken Fine Ground Medium Rocky Speckled Tenacious	Calcareous Flinty Hard Mobile Bottom Rotten Sticky Varied	Coarse Glacial Irregular No Information Small Stiff Volcanic		
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values:	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Maritime Bottom Characteristic (Second Sediment Colour)	1	No Information	Enumeration	Unitless	0	The general colour of a waterbody sediment based on the Geological Society of America (GSA) rock colour chart and the Munsell colour system. [Description] The Munsell system is based on a colour solid, or approximately a colour sphere, which has a neutral gray central axis grading from white at the top to black at the bottom. This property of lightness is called value. Around the circumference or equator of the solid are the ten major hues, each of which is divided into ten numbered divisions, so that 5 marks the middle of the hue, and 10 marks the boundary between one hue and the next. Thus, any particular hue can be designated by a number and a letter such as 5R or 10YR. Any single vertical section through the neutral gray axis and a particular hue constitutes a colour chart on which the colors grade in value from light at the top to dark at the bottom, and in chroma (degree of saturation) from gray at one edge to the most vivid colors out at the margin. Both value and chroma are numbered so any particular colour can be given a numerical designation representing hue, value, and chroma such as 5R 6/4 and 10YR 8/2. Colour names are based on the Inter-Society Color Council-National Bureau of Standards system of names.

<i>allowed values:</i>	Black	Brilliant Green	Dark Greenish Yellow	Dark Reddish Brown
	Dark Yellowish Green	Dusky Blue Green	Dusky Green	Dusky Red
	Dusky Yellow	Dusky Yellowish Green	Grayish Green	Grayish Orange Pink
	Grayish Red	Grayish Yellow	Grayish Yellowish Green	Greenish Olive
	Light Blue Green	Light Green	Light Olive	Light Olive Brown
	Light Red	Light Yellowish Green	Moderate Grayish Green	Moderate Green
	Moderate Greenish Yellow	Moderate Olive Brown	Moderate Orange Pink	Moderate Pink
	Moderate Red	Moderate Reddish Brown	Moderate Reddish Orange	Moderate Yellow
	Moderate Yellowish Green	No Information	Other	Pale Grayish Green
	Pale Green	Pale Greenish Yellow	Pale Olive	Pale Pink
	Pale Purple	Pale Red	Pale Red Purple	Pale Reddish Brown
	Pale Yellowish Green	Very Dark Red	Very Dusky Purple	Very Dusky Red
	Very Dusky Red Purple	Very Pale Green	White	
<i>allowed values:</i>	Black	Brilliant Green	Dark Greenish Yellow	Dark Reddish Brown
	Dark Yellowish Green	Dusky Blue Green	Dusky Green	Dusky Red
	Dusky Yellow	Dusky Yellowish Green	Grayish Green	Grayish Orange Pink
	Grayish Red	Grayish Yellow	Grayish Yellowish Green	Greenish Olive
	Light Blue Green	Light Green	Light Olive	Light Olive Brown
	Light Red	Light Yellowish Green	Moderate Grayish Green	Moderate Green
	Moderate Greenish Yellow	Moderate Olive Brown	Moderate Orange Pink	Moderate Pink
	Moderate Red	Moderate Reddish Brown	Moderate Reddish Orange	Moderate Yellow
	Moderate Yellowish Green	No Information	Other	Pale Grayish Green
	Pale Green	Pale Greenish Yellow	Pale Olive	Pale Pink
	Pale Purple	Pale Red	Pale Red Purple	Pale Reddish Brown
	Pale Yellowish Green	Very Dark Red	Very Dusky Purple	Very Dusky Red
	Very Dusky Red Purple	Very Pale Green	White	

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

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

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

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Vegetation Characteristic	1	No Information	Enumeration	Unitless	0	The type of a vegetated area based on species, biome, physiography and/or structural organization.
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allowed values: Algae

No Information

Other

Sea Grass

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: BottomCharacterRegion (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 BottomCharacterRegion (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 BottomCharacterRegion (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 BottomCharacterRegion (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 BottomCharacterRegion (Point 00) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup 00)
 BottomCharacterRegion (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 BottomCharacterRegion (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature BoundaryMonument (Point 00)

New ☐ Boundary Monument

A marker identifying the location of a surveyed boundary line.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	ZB030	CONSTRAINED_ STRING	Unitless	5	Feature Code
allowed values: ZB030						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.

<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained Destroyed Ruined Dismantled Site Preparation Intact Under Construction						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Brick No Information			Concrete Other			Masonry Stone Metal Wood
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: BoundaryMonument (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 BoundaryMonument (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 BoundaryMonument (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 BoundaryMonument (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 BoundaryMonument (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 BoundaryMonument (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 BoundaryMonument (Point 00) - is a member of group - Exactly one - BoundaryPnt (FeatureGroup 00)

Feature Bridge (Area 00)New ☐ Bridge

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Bridge Opening Type	1	No Information	Enumeration	Unitless	0	The type of structure or mechanism by which a bridge or bridge span is moved to allow passage of a vessel.
<i>allowed values:</i> Bascule No Information Submersible			Drawbridge Opening Swing-bridge			Fixed Other Lift-bridge Retractable

Bridge Reference Number	1	No Information	String	Unitless	24	The unique identifier of a bridge in accordance with the provisions of terrain analysis databases (for example: PTADB or TTADB). [Description] The identifier is assigned consecutively (for example: within a map sheet or within a local area of interest) and begins with the northwest grid square of the UTM reference system and proceeds from left to right to the east edge of the sheet or area, continuing consecutively in the same way starting back at the west edge of the next line of UTM grid squares below those previously completed. The resulting identifiers are used to index an associated Bridge Information Table.
<i>allowed values:</i>	No Information					
Bridge Structure Type	3	No Information	Enumeration	Unitless	0	The type(s) of structural design of a bridge, bridge span, or bridge superstructure.
<i>allowed values:</i>	Arch Closed Spandrel Arch No Information Stringer Beam Transporter					Bowstring-bridge Covered Open Spandrel Arch Submersible Trestle Cable Stayed Floating Other Suspension Truss Cantilever Girder Slab Tower Suspension
Bypass Condition	1	No Information	Enumeration	Unitless	0	The ease or ability to circumvent a destroyed section of bridge, tunnel or pass within a distance of two kilometres from the feature. [Description] Bypass condition will not consider other bridges in bypass determination.
<i>allowed values:</i>	Difficult					Impossible
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i>	Civilian National Public					International No Information State Joint Military and Civilian Other Military Private
Deck Count	1	-999999	REAL	Unitless	0	The number of vertically stacked decks, one over another, in a transportation structure (for example: a bridge or a tunnel).
<i>allowed values:</i>	-999999					
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i>	No Information Partially Operational					Non-operational Planned Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i>	AQ040					
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i>	No Information					
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i>	-999999					
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i>	-999999					
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i>	Accurate					Doubtful
Horizontal Clearance	1	-999999	REAL	Metre	0	The distance available to pass a load that extends laterally beyond the wheels of a vehicle.
<i>allowed values:</i>	-999999					No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

<u>allowed values:</u> -999999							
Load Class Type 1	1	-999999	REAL	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for one-way, wheeled vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.	
<u>allowed values:</u> -999999							
Load Class Type 2	1	-999999	REAL	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for two-way, wheeled vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.	
<u>allowed values:</u> -999999							
Load Class Type 3	1	-999999	REAL	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for one-way, tracked vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.	
<u>allowed values:</u> -999999							
Load Class Type 4	1	-999999	REAL	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for two-way, tracked vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.	
<u>allowed values:</u> -999999							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<u>allowed values:</u> No Information							
Mobile Bridge Span	1	No Information	Boolean	Unitless	0	An indication that a bridge span moves in some manner to allow passage underneath.	
<u>allowed values:</u> FALSE			No Information			TRUE	
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<u>allowed values:</u> No Information							
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
<u>allowed values:</u> False			No Information			True	
New Overall Height of Bridge	1	-999999	REAL	Decimetre	0	Vertical distance measured from the lowest point at ground or water level to the highest portion of bridge (including superstructure).	
<u>allowed values:</u> -999999							
Overhead Clearance	1	-999999	REAL	Metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.	
<u>allowed values:</u> -999999							
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.	
<u>allowed values:</u> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation	Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<u>allowed values:</u> U							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Roofed	1	No Information	Boolean	Unitless	0	An indication that a feature is covered by a roof. [Description] The roof may be supported by spaced pillars with intervening openings or the sides may be completely closed (for example: by walls or windows) and thus afford substantial protection from the weather.
allowed values:	False		No Information			True
Span Count	1	-999999	REAL	Unitless	0	The number of spans in a bridge.
allowed values:	-999999					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
allowed values:	Aqueduct Pedestrian Runway		Canal Pipeline Taxiway			No Information Railway Other Road
Underbridge Clearance	1	-999999	REAL	Metre	0	Clearance below bridge, measured from the lowest surface level to the base of the lower of either a cross beam or the lowest bridge deck.
allowed values:	-999999					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Clearance, Safe	1	-999999	Real	Metre		The safe vertical clearance of an object measured from the horizontal plane toward the object overhead.
allowed values:	-999999					
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).

<i>allowed values:</i>	Aluminum	Brick	Concrete	Iron		
	Masonry	Metal	No Information	Other		
	Prestressed Concrete	Reinforced Concrete	Steel	Stone		
	Treated Timber	Wood				
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.

allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Bridge (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Bridge (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Bridge (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Bridge (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Bridge (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Bridge (Area 00) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup 00)

Feature Bridge (Line 00)New ☐ Bridge

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
allowed values: False			No Information			True
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
allowed values: -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Bridge Opening Type	1	No Information	Enumeration	Unitless	0	The type of structure or mechanism by which a bridge or bridge span is moved to allow passage of a vessel.
allowed values: Bascule No Information Submersible			Drawbridge Opening Swing-bridge			Fixed Other Lift-bridge Retractable
Bridge Reference Number	1	No Information	String	Unitless	24	The unique identifier of a bridge in accordance with the provisions of terrain analysis databases (for example: PTADB or TTADB). [Description] The identifier is assigned consecutively (for example: within a map sheet or within a local area of interest) and begins with the northwest grid square of the UTM reference system and proceeds from left to right to the east edge of the sheet or area, continuing consecutively in the same way starting back at the west edge of the next line of UTM grid squares below those previously completed. The resulting identifiers are used to index an associated Bridge Information Table.
allowed values: No Information						
Bridge Structure Type	3	No Information	Enumeration	Unitless	0	The type(s) of structural design of a bridge, bridge span, or bridge superstructure.
allowed values: Arch Closed Spandrel Arch No Information Stringer Beam Transporter			Bowstring-bridge Covered Open Spandrel Arch Submersible Trestle			Cable Stayed Floating Other Suspension Truss Cantilever Girder Slab Tower Suspension

Bypass Condition	1	No Information	Enumeration	Unitless	0	The ease or ability to circumvent a destroyed section of bridge, tunnel or pass within a distance of two kilometres from the feature. [Description] Bypass condition will not consider other bridges in bypass determination.
<i>allowed values:</i>	Difficult		Easy			Impossible
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i>	Civilian National Public		International No Information State			Joint Military and Civilian Other Military Private
Deck Count	1	-999999	REAL	Unitless	0	The number of vertically stacked decks, one over another, in a transportation structure (for example: a bridge or a tunnel).
<i>allowed values:</i>	-999999					
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i>	No Information Partially Operational		Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i>	AQ040					
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i>	No Information					
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i>	-999999					
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i>	-999999					
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i>	Accurate		Approximate			Doubtful
Horizontal Clearance	1	-999999	REAL	Metre	0	The distance available to pass a load that extends laterally beyond the wheels of a vehicle.
<i>allowed values:</i>	-999999					
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i>	-999999					
Load Class Type 1	1	-999999	REAL	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for one-way, wheeled vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i>	-999999					
Load Class Type 2	1	-999999	REAL	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for two-way, wheeled vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i>	-999999					

Load Class Type 3	1	-999999	REAL	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for one-way, tracked vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Load Class Type 4	1	-999999	REAL	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for two-way, tracked vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Mobile Bridge Span	1	No Information	Boolean	Unitless	0	An indication that a bridge span moves in some manner to allow passage underneath.
<i>allowed values:</i> FALSE			No Information			TRUE
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Overall Height of Bridge	1	-999999	REAL	Decimetre	0	Vertical distance measured from the lowest point at ground or water level to the highest portion of bridge (including superstructure).
<i>allowed values:</i> -999999						
Overhead Clearance	1	-999999	REAL	Metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.
<i>allowed values:</i> -999999						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) <i>No Information</i> Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) <i>Other</i> U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i>	<i>No Information</i>					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i>	<i>No Information</i>					
Roofed	1	No Information	Boolean	Unitless	0	An indication that a feature is covered by a roof. [Description] The roof may be supported by spaced pillars with intervening openings or the sides may be completely closed (for example: by walls or windows) and thus afford substantial protection from the weather.
<i>allowed values:</i>	<i>False</i>		<i>No Information</i>			<i>True</i>
Span Count	1	-999999	REAL	Unitless	0	The number of spans in a bridge.
<i>allowed values:</i>	<i>-999999</i>					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i>	<i>No Information</i>					
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i>	Aqueduct Pedestrian Runway		Canal Pipeline Taxiway			<i>No Information</i> Railway <i>Other</i> Road
Underbridge Clearance	1	-999999	REAL	Metre	0	Clearance below bridge, measured from the lowest surface level to the base of the lower of either a cross beam or the lowest bridge deck.
<i>allowed values:</i>	<i>-999999</i>					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i>	<i>No Information</i>					
Vertical Clearance, Safe	1	-999999	Real	Metre		The safe vertical clearance of an object measured from the horizontal plane toward the object overhead.
<i>allowed values:</i>	<i>-999999</i>					
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).

allowed values:	Aluminum	Brick	Concrete	Iron		
	Masonry	Metal	No Information	Other		
	Prestressed Concrete	Reinforced Concrete	Steel	Stone		
	Treated Timber	Wood				
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.

allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Bridge (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Bridge (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Bridge (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Bridge (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Bridge (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Bridge (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Bridge (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Bridge (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Bridge (Line 00) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup 00)

Feature Bridge (Point 00)New ☐ Bridge

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
allowed values: False			No Information			True
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
allowed values: -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Bridge Opening Type	1	No Information	Enumeration	Unitless	0	The type of structure or mechanism by which a bridge or bridge span is moved to allow passage of a vessel.
allowed values: Bascule No Information Submersible			Drawbridge Opening Swing-bridge			Fixed Other Lift-bridge Retractable
Bridge Reference Number	1	No Information	String	Unitless	24	The unique identifier of a bridge in accordance with the provisions of terrain analysis databases (for example: PTADB or TTADB). [Description] The identifier is assigned consecutively (for example: within a map sheet or within a local area of interest) and begins with the northwest grid square of the UTM reference system and proceeds from left to right to the east edge of the sheet or area, continuing consecutively in the same way starting back at the west edge of the next line of UTM grid squares below those previously completed. The resulting identifiers are used to index an associated Bridge Information Table.
allowed values: No Information						
Bridge Structure Type	3	No Information	Enumeration	Unitless	0	The type(s) of structural design of a bridge, bridge span, or bridge superstructure.

<i>allowed values:</i>	Arch Closed Spandrel Arch No Information Stringer Beam Transporter		Bowstring-bridge Covered Open Spandrel Arch Submersible Trestle		Cable Stayed Floating Other Suspension Truss	Cantilever Girder Slab Tower Suspension
Bypass Condition	1	No Information	Enumeration	Unitless	0	The ease or ability to circumvent a destroyed section of bridge, tunnel or pass within a distance of two kilometres from the feature. [Description] Bypass condition will not consider other bridges in bypass determination.
<i>allowed values:</i>	Difficult		Easy		Impossible	No Information
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i>	Civilian National Public		International No Information State		Joint Military and Civilian Other	Military Private
Deck Count	1	-999999	REAL	Unitless	0	The number of vertically stacked decks, one over another, in a transportation structure (for example: a bridge or a tunnel).
<i>allowed values:</i>	-999999					
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i>	No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational	Operational
New Feature Code	1	AQ040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i>	AQ040					
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i>	No Information					
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i>	-999999					
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i>	-999999					
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i>	Accurate		Approximate		Doubtful	No Information
Horizontal Clearance	1	-999999	REAL	Metre	0	The distance available to pass a load that extends laterally beyond the wheels of a vehicle.
<i>allowed values:</i>	-999999					
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i>	-999999					
Load Class Type 1	1	-999999	REAL	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for one-way, wheeled vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i>	-999999					

Load Class Type 2	1	-999999	REAL	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for two-way, wheeled vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Load Class Type 3	1	-999999	REAL	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for one-way, tracked vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Load Class Type 4	1	-999999	REAL	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for two-way, tracked vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Mobile Bridge Span	1	No Information	Boolean	Unitless	0	An indication that a bridge span moves in some manner to allow passage underneath.
<i>allowed values:</i> FALSE			No Information			TRUE
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Overall Height of Bridge	1	-999999	REAL	Decimetre	0	Vertical distance measured from the lowest point at ground or water level to the highest portion of bridge (including superstructure).
<i>allowed values:</i> -999999						
Overhead Clearance	1	-999999	REAL	Metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.
<i>allowed values:</i> -999999						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Roofed	1	No Information	Boolean	Unitless	0	An indication that a feature is covered by a roof. [Description] The roof may be supported by spaced pillars with intervening openings or the sides may be completely closed (for example: by walls or windows) and thus afford substantial protection from the weather.
allowed values:	False		No Information			True
Span Count	1	-999999	REAL	Unitless	0	The number of spans in a bridge.
allowed values:	-999999					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
allowed values:	Aqueduct Pedestrian Runway		Canal Pipeline Taxiway			No Information Railway Other Road
Underbridge Clearance	1	-999999	REAL	Metre	0	Clearance below bridge, measured from the lowest surface level to the base of the lower of either a cross beam or the lowest bridge deck.
allowed values:	-999999					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Clearance, Safe	1	-999999	Real	Metre		The safe vertical clearance of an object measured from the horizontal plane toward the object overhead.
allowed values:	-999999					
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).

<i>allowed values:</i>	Aluminum	Brick	Concrete	Iron		
	Masonry	Metal	No Information	Other		
	Prestressed Concrete	Reinforced Concrete	Steel	Stone		
	Treated Timber	Wood				
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.

allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Bridge (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Bridge (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Bridge (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Bridge (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Bridge (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Bridge (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Bridge (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Bridge (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Bridge (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)

Feature BridgePier (Area 00)New ☐ Bridge Pier**A pillar or abutment that supports a bridge span.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AQ056	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ056						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.

allowed values: -999999

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values:	-999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values:	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values:	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values:	False					No Information
New Physical Condition	1	No Information	Enumeration	Unitless		True
allowed values:	Damaged					Destroyed
	No Information					Dismantled
	Unmaintained					Intact
						Site Preparation
						Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values:	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)					Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)
						Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)
						Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.

allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: BridgePier (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 BridgePier (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 BridgePier (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 BridgePier (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 BridgePier (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 BridgePier (Area 00) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup 00)

Feature BridgePier (Line 00)New ☐ Bridge Pier**A pillar or abutment that supports a bridge span.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999

Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
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allowed values: No Information
Partially OperationalNon-operational
Planned
Temporarily Non-operational

Operational

New Feature Code	1	AQ056	CONSTRAINED_STRING	Unitless	5	Feature Code
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allowed values: AQ056

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

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
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allowed values: -999999

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
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allowed values: -999999

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values: False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
allowed values: Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.

allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: BridgePier (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 BridgePier (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 BridgePier (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 BridgePier (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 BridgePier (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 BridgePier (Line 00) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup 00)

Feature BridgePier (Point 00)New ☐ Bridge Pier**A pillar or abutment that supports a bridge span.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999

Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
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allowed values: No Information
Partially OperationalNon-operational
Planned
Temporarily Non-operational

Operational

New Feature Code	1	AQ056	CONSTRAINED_STRING	Unitless	5	Feature Code
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allowed values: AQ056

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

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
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allowed values: -999999

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
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allowed values: -999999

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values: False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
allowed values: Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:			Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.

allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: BridgePier (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 BridgePier (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 BridgePier (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 BridgePier (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 BridgePier (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 BridgePier (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)
 BridgePier (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)

Feature BridgeSpan (Area 00)New ☐ Bridge Span**A component of the deck of a bridge spanning successive bridge piers.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999

Bridge Opening Type	1	No Information	Enumeration	Unitless	0	The type of structure or mechanism by which a bridge or bridge span is moved to allow passage of a vessel.
<i>allowed values:</i> Bascule No Information Submersible			Drawbridge Opening Swing-bridge			Fixed Other Lift-bridge Retractable

Bridge Reference Number	1	No Information	String	Unitless	24	The unique identifier of a bridge in accordance with the provisions of terrain analysis databases (for example: PTADB or TTADB). [Description] The identifier is assigned consecutively (for example: within a map sheet or within a local area of interest) and begins with the northwest grid square of the UTM reference system and proceeds from left to right to the east edge of the sheet or area, continuing consecutively in the same way starting back at the west edge of the next line of UTM grid squares below those previously completed. The resulting identifiers are used to index an associated Bridge Information Table.
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allowed values: No Information

Bridge Structure Type	3	No Information	Enumeration	Unitless	0	The type(s) of structural design of a bridge, bridge span, or bridge superstructure.
<i>allowed values:</i> Arch Closed Spandrel Arch Open Spandrel Arch Submersible Trestle			Bowstring-bridge Floating Other Suspension Truss			Cable Stayed Girder Slab Tower Suspension Cantilever No Information Stringer Beam Transporter

Bypass Condition	1	No Information	Enumeration	Unitless	0	The ease or ability to circumvent a destroyed section of bridge, tunnel or pass within a distance of two kilometres from the feature. [Description] Bypass condition will not consider other bridges in bypass determination.
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allowed values: Difficult Easy Impossible No Information

Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AQ045	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ045						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i> Accurate			Approximate			Doubtful No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Load Class Type 1	1	-999999	REAL	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for one-way, wheeled vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Load Class Type 2	1	-999999	REAL	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for two-way, wheeled vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Load Class Type 3	1	-999999	REAL	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for one-way, tracked vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Load Class Type 4	1	-999999	REAL	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for two-way, tracked vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.

<i>allowed values:</i> No Information						
Overhead Clearance	1	-999999	REAL	Metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.
<i>allowed values:</i> -999999						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged Destroyed Dismantled Intact No Information Ruined Site Preparation Under Construction Unmaintained						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Army Geographic Centre (Spain) Army Geographic Institute (Portugal) Bundeswehr Geoinformation Office (Germany) Defence Acquisition and Logistics Organization (Denmark) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Defence Imagery and Geospatial Organisation (Australia) Defense Information Security (Italy) General Command of Mapping (Turkey) Geographic Service (Belgium) Geographic Service of the Czech Armed Forces (Czech Republic) Geospatial Information Agency (Latvia) Geospatial Intelligence Organisation (New Zealand) Hellenic Military Geographic Service (Greece) Joint Geography Bureau (France) Mapping and Charting Establishment (Canada) Mapping Service (Hungary) Military Geographic Group (Estonia) Military Geographic Service (Norway) Military Geography Division (Poland) Military Mapping Centre (Lithuania) Military Topographic Directorate (Romania) Military Topographic Service (Bulgaria) National Army Topographic Service (Moldova) No Information Other Swedish Armed Forces (Sweden) Topographic Institute (Slovakia) Topographic Service (Finland) U.S. Africa Command (USAFRICOM) U.S. Air Force U.S. Army U.S. Army Geospatial Center (AGC) U.S. Central Command (USCENTCOM) U.S. Central Intelligence Agency (CIA) U.S. Coast Guard U.S. Defense Intelligence Agency (DIA) U.S. Department of Energy (DOE) U.S. Department of Homeland Security (DHS) U.S. Department of State U.S. European Command (USEUCOM) U.S. Federal Bureau of Investigation (FBI) U.S. Geological Survey (USGS) U.S. Joint Forces Command (USJFCOM) U.S. Marine Corps U.S. National Civil Applications Program (NCAP) U.S. National Geospatial-Intelligence Agency (NGA) U.S. National Oceanic and Atmospheric Administration U.S. National Reconnaissance Office (NRO) U.S. National Security Agency (NSA) U.S. Navy U.S. Northern Command (USNORTHCOM) U.S. Pacific Command (PACOM) U.S. Southern Command (USSOUTHCOM) U.S. Special Operations Command (USSOCOM) U.S. Strategic Command (USSTRATCOM) U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Safe Horizontal Clearance	1	-999999	REAL	Metre	0	Minimum safe horizontal distance between adjacent structures on either side of a navigable channel.
<i>allowed values:</i> -999999						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> Aqueduct Canal No Information Other Pedestrian Pipeline Railway Road Runway Taxiway						

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
allowed values: Aluminum Brick Concrete Iron Masonry Metal No Information Other Prestressed Concrete Reinforced Concrete Steel Stone Treated Timber Wood						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: BridgeSpan (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 BridgeSpan (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 BridgeSpan (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 BridgeSpan (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 BridgeSpan (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 BridgeSpan (Area 00) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup 00)

Feature BridgeSpan (Line 00)New ☐ Bridge Span**A component of the deck of a bridge spanning successive bridge piers.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Bridge Opening Type	1	No Information	Enumeration	Unitless	0	The type of structure or mechanism by which a bridge or bridge span is moved to allow passage of a vessel.
allowed values: Bascule Drawbridge Fixed Lift-bridge No Information Opening Other Retractable Submersible Swing-bridge						
Bridge Reference Number	1	No Information	String	Unitless	24	The unique identifier of a bridge in accordance with the provisions of terrain analysis databases (for example: PTADB or TTADB). [Description] The identifier is assigned consecutively (for example: within a map sheet or within a local area of interest) and begins with the northwest grid square of the UTM reference system and proceeds from left to right to the east edge of the sheet or area, continuing consecutively in the same way starting back at the west edge of the next line of UTM grid squares below those previously completed. The resulting identifiers are used to index an associated Bridge Information Table.
allowed values: No Information						
Bridge Structure Type	3	No Information	Enumeration	Unitless	0	The type(s) of structural design of a bridge, bridge span, or bridge superstructure.
allowed values: Arch Bowstring-bridge Cable Stayed Cantilever Closed Spandrel Arch Floating Girder No Information Open Spandrel Arch Other Stringer Beam Submersible Suspension Tower Suspension Transporter Trestle Truss						
Bypass Condition	1	No Information	Enumeration	Unitless	0	The ease or ability to circumvent a destroyed section of bridge, tunnel or pass within a distance of two kilometres from the feature. [Description] Bypass condition will not consider other bridges in bypass determination.
allowed values: Difficult Easy Impossible No Information						

Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AQ045	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ045						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i> Accurate			Approximate			Doubtful No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Load Class Type 1	1	-999999	REAL	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for one-way, wheeled vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Load Class Type 2	1	-999999	REAL	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for two-way, wheeled vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Load Class Type 3	1	-999999	REAL	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for one-way, tracked vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Load Class Type 4	1	-999999	REAL	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for two-way, tracked vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.

<i>allowed values:</i> No Information						
Overhead Clearance	1	-999999	REAL	Metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.
<i>allowed values:</i> -999999						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> <i>Damaged</i> <i>Destroyed</i> <i>Dismantled</i> <i>Intact</i> <i>No Information</i> <i>Ruined</i> <i>Site Preparation</i> <i>Under Construction</i> <i>Unmaintained</i>						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Army Geographic Centre (Spain) Army Geographic Institute (Portugal) Bundeswehr Geoinformation Office (Germany) Defence Acquisition and Logistics Organization (Denmark) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Defence Imagery and Geospatial Organisation (Australia) Defense Information Security (Italy) General Command of Mapping (Turkey) Geographic Service (Belgium) Geographic Service of the Czech Armed Forces (Czech Republic) Geospatial Information Agency (Latvia) Geospatial Intelligence Organisation (New Zealand) Hellenic Military Geographic Service (Greece) Joint Geography Bureau (France) Mapping and Charting Establishment (Canada) Mapping Service (Hungary) Military Geographic Group (Estonia) Military Geographic Service (Norway) Military Geography Division (Poland) Military Mapping Centre (Lithuania) Military Topographic Directorate (Romania) Military Topographic Service (Bulgaria) National Army Topographic Service (Moldova) No Information Other Swedish Armed Forces (Sweden) Topographic Institute (Slovakia) Topographic Service (Finland) U.S. Africa Command (USAFRICOM) U.S. Air Force U.S. Army U.S. Army Geospatial Center (AGC) U.S. Central Command (USCENTCOM) U.S. Central Intelligence Agency (CIA) U.S. Coast Guard U.S. Defense Intelligence Agency (DIA) U.S. Department of Energy (DOE) U.S. Department of Homeland Security (DHS) U.S. Department of State U.S. European Command (USEUCOM) U.S. Federal Bureau of Investigation (FBI) U.S. Geological Survey (USGS) U.S. Joint Forces Command (USJFCOM) U.S. Marine Corps U.S. National Civil Applications Program (NCAP) U.S. National Geospatial-Intelligence Agency (NGA) U.S. National Oceanic and Atmospheric Administration U.S. National Reconnaissance Office (NRO) U.S. National Security Agency (NSA) U.S. Navy U.S. Northern Command (USNORTHCOM) U.S. Pacific Command (PACOM) U.S. Southern Command (USSOUTHCOM) U.S. Special Operations Command (USSOCOM) U.S. Strategic Command (USSTRATCOM) U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Safe Horizontal Clearance	1	-999999	REAL	Metre	0	Minimum safe horizontal distance between adjacent structures on either side of a navigable channel.
<i>allowed values:</i> -999999						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> Aqueduct Canal No Information Other Pedestrian Pipeline Railway Road Runway Taxiway						

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

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

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: BridgeSpan (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
BridgeSpan (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
BridgeSpan (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
BridgeSpan (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
BridgeSpan (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
BridgeSpan (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
BridgeSpan (Line 00) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup 00)

Feature BridgeSpan (Point 00)

New ☐ Bridge Span

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Bridge Opening Type	1	No Information	Enumeration	Unitless	0	The type of structure or mechanism by which a bridge or bridge span is moved to allow passage of a vessel.
allowed values: Bascule Drawbridge Fixed Lift-bridge No Information Opening Other Retractable Submersible Swing-bridge						
Bridge Reference Number	1	No Information	String	Unitless	24	The unique identifier of a bridge in accordance with the provisions of terrain analysis databases (for example: PTADB or TTADB). [Description] The identifier is assigned consecutively (for example: within a map sheet or within a local area of interest) and begins with the northwest grid square of the UTM reference system and proceeds from left to right to the east edge of the sheet or area, continuing consecutively in the same way starting back at the west edge of the next line of UTM grid squares below those previously completed. The resulting identifiers are used to index an associated Bridge Information Table.
allowed values: No Information						
Bridge Structure Type	3	No Information	Enumeration	Unitless	0	The type(s) of structural design of a bridge, bridge span, or bridge superstructure.
allowed values: Arch Bowstring-bridge Cable Stayed Cantilever Closed Spandrel Arch Floating Girder No Information Open Spandrel Arch Other Slab Stringer Beam Submersible Suspension Tower Suspension Transporter Trestle Truss						
Bypass Condition	1	No Information	Enumeration	Unitless	0	The ease or ability to circumvent a destroyed section of bridge, tunnel or pass within a distance of two kilometres from the feature. [Description] Bypass condition will not consider other bridges in bypass determination.

<u>allowed values:</u> Difficult		Easy		Impossible		No Information
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational		Operational
New Feature Code	1	AQ045	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AQ045						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<u>allowed values:</u> Accurate		Approximate		Doubtful		No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Load Class Type 1	1	-999999	REAL	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for one-way, wheeled vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<u>allowed values:</u> -999999						
Load Class Type 2	1	-999999	REAL	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for two-way, wheeled vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<u>allowed values:</u> -999999						
Load Class Type 3	1	-999999	REAL	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for one-way, tracked vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<u>allowed values:</u> -999999						
Load Class Type 4	1	-999999	REAL	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for two-way, tracked vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i>	No Information					
Overhead Clearance	1	-999999	REAL	Metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.
<i>allowed values:</i>	-999999					
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i>	Damaged No Information Unmaintained					
	Destroyed Ruined					
	Dismantled Site Preparation					
	Intact Under Construction					
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i>	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)					
	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)					
	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)					
	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i>	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i>	No Information					
Safe Horizontal Clearance	1	-999999	REAL	Metre	0	Minimum safe horizontal distance between adjacent structures on either side of a navigable channel.
<i>allowed values:</i>	-999999					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i>	No Information					
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i>	Aqueduct Pedestrian Runway					
	Canal Pipeline Taxiway					
	No Information Railway					
	Other Road					

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

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

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: BridgeSpan (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
BridgeSpan (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
BridgeSpan (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
BridgeSpan (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
BridgeSpan (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
BridgeSpan (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
BridgeSpan (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)

Feature BridgeSuperstructure (Area 00)

New ☐ Bridge Superstructure

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Bridge Reference Number	1	No Information	String	Unitless	24	The unique identifier of a bridge in accordance with the provisions of terrain analysis databases (for example: PTADB or TTADB). [Description] The identifier is assigned consecutively (for example: within a map sheet or within a local area of interest) and begins with the northwest grid square of the UTM reference system and proceeds from left to right to the east edge of the sheet or area, continuing consecutively in the same way starting back at the west edge of the next line of UTM grid squares below those previously completed. The resulting identifiers are used to index an associated Bridge Information Table.
<i>allowed values:</i> No Information						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ050						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.

<i>allowed values:</i> -999999							
Height of Object	1	-999999	REAL	Metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.	
<i>allowed values:</i> -999999							
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<i>allowed values:</i> -999999							
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
<i>allowed values:</i> False							
New Physical Condition	1	No Information	No Information		True		
			Enumeration	Unitless	The physical state of a structure, or site, as a whole.		
<i>allowed values:</i> Damaged		Destroyed		Dismantled		Intact	
No Information		Ruined		Site Preparation		Under Construction	
Unmaintained							
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i> U							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
<i>allowed values:</i>							
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)		Army Geographic Institute (Portugal)		Bundeswehr Geoinformation Office (Germany)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)		Defence Imagery and Geospatial Organisation (Australia)		Defense Information Security (Italy)
General Command of Mapping (Turkey)			Geographic Service (Belgium)		Geographic Service of the Czech Armed Forces (Czech Republic)		Geospatial Information Agency (Latvia)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)		Joint Geography Bureau (France)		Mapping and Charting Establishment (Canada)
Mapping Service (Hungary)			Military Geographic Group (Estonia)		Military Geographic Service (Norway)		Military Geography Division (Poland)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)		Military Topographic Service (Bulgaria)		National Army Topographic Service (Moldova)
No Information			Other		Swedish Armed Forces (Sweden)		Topographic Institute (Slovakia)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)		U.S. Air Force		U.S. Army
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)		U.S. Central Intelligence Agency (CIA)		U.S. Coast Guard
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)		U.S. Department of Homeland Security (DHS)		U.S. Department of State
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)		U.S. Geological Survey (USGS)		U.S. Joint Forces Command (USJFCOM)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)		U.S. National Geospatial-Intelligence Agency (NGA)		U.S. National Oceanic and Atmospheric Administration
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)		U.S. Navy		U.S. Northern Command (USNORTHCOM)
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)		U.S. Special Operations Command (USSOCOM)		U.S. Strategic Command (USSTRATCOM)
U.S. Transportation Command (USTRANSCOM)							

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: BridgeSuperstructure (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 BridgeSuperstructure (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 BridgeSuperstructure (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 BridgeSuperstructure (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 BridgeSuperstructure (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 BridgeSuperstructure (Area 00) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup 00)
 BridgeSuperstructure (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)

Feature BridgeSuperstructure (Line 00)New ☐ Bridge Superstructure**A superstructure of a bridge, above the lowest deck, not including pylons or towers.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Bridge Reference Number	1	No Information	String	Unitless	24	The unique identifier of a bridge in accordance with the provisions of terrain analysis databases (for example: PTADB or TTADB). [Description] The identifier is assigned consecutively (for example: within a map sheet or within a local area of interest) and begins with the northwest grid square of the UTM reference system and proceeds from left to right to the east edge of the sheet or area, continuing consecutively in the same way starting back at the west edge of the next line of UTM grid squares below those previously completed. The resulting identifiers are used to index an associated Bridge Information Table.

allowed values: No Information

Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AQ050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ050						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Height of Object	1	-999999	REAL	Metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: BridgeSuperstructure (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 BridgeSuperstructure (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 BridgeSuperstructure (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 BridgeSuperstructure (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 BridgeSuperstructure (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 BridgeSuperstructure (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 BridgeSuperstructure (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 BridgeSuperstructure (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 BridgeSuperstructure (Line 00) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup 00)

Feature BridgeTower (Point 00) New ☐ Bridge Tower

A tower and/or pylon from which the deck of a bridge is suspended.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Bridge Reference Number	1	No Information	String	Unitless	24	The unique identifier of a bridge in accordance with the provisions of terrain analysis databases (for example: PTADB or TTADB). [Description] The identifier is assigned consecutively (for example: within a map sheet or within a local area of interest) and begins with the northwest grid square of the UTM reference system and proceeds from left to right to the east edge of the sheet or area, continuing consecutively in the same way starting back at the west edge of the next line of UTM grid squares below those previously completed. The resulting identifiers are used to index an associated Bridge Information Table.
<i>allowed values:</i> No Information						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ055	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ055						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Pylon Material	1	No Information	Enumeration	Unitless	0	The primary type of material composing a pylon. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Aluminum Masonry Steel			Concrete Metal Wood			Fibreglass No Information Iron Other
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: BridgeTower (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 BridgeTower (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 BridgeTower (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 BridgeTower (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 BridgeTower (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 BridgeTower (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 BridgeTower (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 BridgeTower (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 BridgeTower (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)

Feature Brush (Area 00)

New ☐ Brush

A tract covered mainly by short, uncultured, woody plants. [Description] For example, covered by brush, scrub and/or shrubs. The predominant height is usually less than 2-3 metres.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999

New Feature Code	1	EB070	CONSTRAINED_STRING	Unitless	5	Feature Code
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allowed values: EB070

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
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allowed values: -999999

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
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allowed values: -999999

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values: False No Information True						
Predominant Vegetation Height	1	-999999	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the vegetation.
allowed values: -999999						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values: Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)						
Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)						
Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)						
Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Brush (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Brush (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Brush (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Brush (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Brush (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Brush (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Brush (Area 00) - is a member of group - Exactly one - VegetationSrf (FeatureGroup 00)

Feature **BucketElevator (Line 00)** New ☐ **Bucket Elevator**

Equipment, usually a series of buckets, for raising materials or liquids to a higher level.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<u>allowed values:</u> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AF021	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AF021						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.

allowed values: -999999

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u>	-999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u>	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u>	False					No Information
New Physical Condition	1	No Information	Enumeration	Unitless		True
<u>allowed values:</u>	Damaged					Destroyed
	No Information					Dismantled
	Unmaintained					Intact
						Site Preparation
						Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u>	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)					Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)
						Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)
						Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u>	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.

<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Concrete Other			Iron Steel			Metal Wood No Information
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: BucketElevator (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 BucketElevator (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 BucketElevator (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 BucketElevator (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 BucketElevator (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 BucketElevator (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 BucketElevator (Line 00) - is a member of group - Exactly one - IndustryCrv (FeatureGroup 00)

Feature BucketElevator (Point 00)New ☐ Bucket Elevator**Equipment, usually a series of buckets, for raising materials or liquids to a higher level.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AF021	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AF021						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)	
U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration	
U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)	
U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)	
U.S. Transportation Command (USTRANSCOM)				
Restriction Information : Security Attributes Group (resource non-intelligence community markings)				
allowed values:	No Information			
Restriction Information : Security Attributes Group (resource owner-producer)				
allowed values:	No Information			
Specified Domain Values(s)				
allowed values:	No Information			
Unique Entity Identifier				
allowed values:	No Information			
Vertical Construction Material				
allowed values:	Concrete	Iron	Metal	No Information
	Other	Steel	Wood	
Vertical Obstruction Identifier				
allowed values:	No Information			
Width				
allowed values:	-999999			

Relationships: BucketElevator (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 BucketElevator (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 BucketElevator (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 BucketElevator (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 BucketElevator (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 BucketElevator (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 BucketElevator (Point 00) - is a member of group - Exactly one - IndustryPnt (FeatureGroup 00)

Feature Building (Area 00)New ☐ Building

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre		The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999						
New Attached Building	1	No Information	Boolean	Unitless	0	An indication that a building is physically contiguous (for example: shares a common wall) with one or more adjacent buildings.
<i>allowed values:</i> FALSE			No Information			TRUE
Available POL	3	No Information	Enumeration	Unitless		The type(s) of petroleum, oils, and lubricants (POL) available at, or on the grounds of, a facility. [Description] POL include a variety of substances, including fuels used in motor vehicles, heating fuels, and lubricants used in vehicle and engine maintenance. Water for maintenance operations may be included.
<i>allowed values:</i> Benzene Diesel Propane Other			Benzene Propane Liquefied Petroleum Gas (LPG)			Diesel Benzene No Information Diesel Oil Not Applicable
Manufacturing Information : By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Ash Other Sewage			Cinders Radioactive Material Slag			No Byproduct Refuse No Information Scrap-metal
New Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre		The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999						
New Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density		The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).

	<i>allowed values:</i>	Civilian National Public		International No Information State		Joint Military and Civilian Other		Military Private
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre		The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.	
	<i>allowed values:</i>	-999999						
New	Water Resource Information : Device Power Type	1	No Information	Enumeration	Unitless	0	The method by the device is powered, if any.	
	<i>allowed values:</i>	Compressed Air No Information		Electricity Other			Gravity Petroleum Product	Manual Steam
New	Water Resource Information : Device Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the device and the underlying ground (terrain), liquid or waterbody bottom.	
	<i>allowed values:</i>	Above Surface On Waterbody Bottom		Below Ground Surface Other			No Information Submerged	On Surface
	Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.	
	<i>allowed values:</i>	No Information Partially Operational		Non-operational Planned			Not in Operation Temporarily Non-operational	Operational
New	Feature Code	1	AL013	CONSTRAINED_STRING	Unitless	5	Feature Code	
	<i>allowed values:</i>	AL013						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.	

allowed values:

Accommodation	Accounting	Administration	Adult Entertainment
Advertising	Agriculture	Air Traffic Control	Air Transport
Aircraft Manufacture	Aircraft Repair	Amusement	Animal Boarding
Animal Feed Manufacture	Apparel Manufacture	Aquaculture	Aquarium
Architecture Consulting	Armory	Auditorium	Baking
Banquet Hall	Bar	Beauty Treatment	Botanical and/or Zoological Reserve Activities
Branch Telephone Exchange	Brewing	Business Management	Call Centre
Canal Transport	Capitol	Cargo Handling	CBRNE Civilian Support
Cement Mill	Cement Product Manufacture	Central Banking	Ceramic Product Manufacture
Chemical Manufacture	Cinema	Civil Activities	Civil Intelligence
Clay Product Manufacture	Club	Coke Manufacture	Commerce
Community Centre	Confection Manufacture	Consul	Convenience Store
Convention Centre	Cooling	Courier Activities	Cremation
Custodial Service	Customs Checkpoint	Dairying	Day Care
Defence Activities	Dependents Housing	Dining Hall	Diplomacy
Diplomatic Mission	Dormitory	Education	Electrical Equipment Manufacture
Electrical Equipment Repair	Electronic Equipment Manufacture	Electronic Equipment Repair	Embassy
Emergency Operations	Emergency Relief Services	Emergency Shelter	Emergency Youth Shelter
Employment Agency	Engineering Design	Fabricated Metal Product Manufacture	Fabricated Metal Product Repair
Financial Market Administration	Financial Services	Firefighting	Fitness Centre
Food Processing	Food Product Manufacture	Footwear Manufacturing	Forest Warden
Foundry	Fruit and/or Vegetable Processing	Fund Management	Funeral Services
Furniture Manufacture	Gambling	Game and/or Toy Manufacture	General Repair
Glass Product Manufacture	Government	Grain Milling	Grocery
Growing of Crops	Guard	Guest-house	Harbour Control
Head Office	Headquarters	Heating	Higher Education
Hobbies and/or Leisure Activities	Homeless Shelter	Hostel	Hotel
Human Health Activities	Human Tissue Repository	Ice Manufacture	Immigration Control
Imprisonment	Inland Waters Transport	In-patient Care	Inspection Station
Institution	Insurance	Intermediate Care	Islamic Prayer Hall
Jewellery Manufacture	Judicial Activities	Juvenile Corrections	Landscaping Service
Laundry	Law Enforcement	Leather Product Manufacture	Legal Activities
Leprosy Care	Library	Local Government	Machinery Manufacture
Machinery Repair	Main Telephone Exchange	Manufacturing	Maritime Defense
Maritime Pilotage	Market	Materials Recovery	Meat Processing
Medical and/or Dental Equipment Manufacture	Medicinal Product Manufacture	Meeting Place	Metal Refining
Military Recruitment	Military Reserve Activities	Military Vehicle Manufacture	Mining and Quarrying
Mobile Phone Service	Mortuary Services	Motel	Motor Vehicle Manufacture
Motor Vehicle Parking	Motor Vehicle Rental	Motor Vehicle Repair	Munitions Manufacture
Museum	Musical Instrument Manufacture	Navigation	Night Club
No Information	Non-specialized Store	Not Applicable	Nuclear Research Centre
Observation Station	Office Administration	Oil-mill	Opera House
Ore Dressing	Other	Out-patient Care	Palace
Paper-mill	Pasta Manufacture	Pedestrian Transport	Petrol Sale
Petroleum Refining	Pet-shop	Pharmacy	Photography
Pilot Station	Pipeline Transport	Place of Worship	Plastic Product Manufacture
Polling Station	Port Control	Postal Activities	Power Generation
Precious Metal Merchant	Prepared Meal Manufacture	Primary Education	Print Publishing
Printing	Propane Sale	Psychiatric In-patient Care	Public Health Activities
Public Records	Pumping	Radio Broadcasting	Railway Passenger Transport
Railway Transport	Railway Vehicle Manufacture	Railway Vehicle Repair	Raising of Animals
Real Estate Activities	Recreation	Refractory Product Manufacture	Refugee Shelter
Religious Activities	Rescue and Paramedical Services	Residence	Residential Care
Resort Hotel	Restaurant	Restroom	Retail Banking
Retail Service	Retail Telecommunications	Road Freight Transport	Road Passenger Transport
Road Transport	Rubber Product Manufacture	Sales Yard	Satellite Ground Control

Satellite Telecommunications
 Secondary Education
 Sewerage Screening
 Signalling
 Spirit Distillery
 Steel Mill
 Subnational Government
 Surveying
 Textile Manufacture
 Transport System Maintenance
 Vacation Cottage
 Waste Treatment and Disposal
 Weather Station
 Wired Repeater
 Wooden Construction Product Manufacture

Sawmilling
 Security Brokerage
 Ship Construction
 Social Work
 Sports Centre
 Stone Product Manufacture
 Sugar Manufacture
 Telecommunications
 Theatre
 Travel Agency
 Veterinary
 Water Distribution
 Wholesale Merchant
 Wired Telecommunications
 Yacht-club

Scientific Research and Development
 Security Enforcement
 Ship Repair
 Soft Drink Manufacture
 Sports Goods Manufacture
 Stop
 Sugar Milling
 Television Broadcasting
 Tobacco Product Manufacture
 Urgent Medical Care
 Vocational Education
 Water Transport
 Wind Tunnel
 Wireless Repeater

Seafood Processing
 Sewerage
 Shooting Range
 Specialized Store
 Station
 Structural Metal Product Manufacture
 Sugar Refining
 Terminal
 Transport
 Utilities
 Warehousing and Storage
 Water Treatment
 Winery
 Wireless Telecommunications

	Floor Count	1	-999999	REAL	Unitless	0	The number of floors in a structure (for example: a building).
	<i>allowed values:</i>	-999999					
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i>	No Information					
	Geographic Name Type	3	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i>	Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	
New	Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The type of designated hazard protection shelter based on the kind of emergency. [Description] These shelters may be inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
	<i>allowed values:</i>	Bomb Shelter Storm Shelter		Fallout Shelter		No Information Other	
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i>	-999999					
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i>	-999999					
	Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
	<i>allowed values:</i>	Accurate		Approximate		Doubtful No Information	
New	Hospital Bed Count	1	-999999	Integer	Unitless		The number of beds in a hospital.
	<i>allowed values:</i>	-999999					
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i>	-999999					
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre		The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.

<i>allowed values:</i> -999999							
New	Manufactured Building	1	No Information	Boolean	Unitless	0	An indication that a building is free-standing (detached) and self-contained and is built in a factory and then towed by a tractor to its semi-permanent site.
<i>allowed values:</i> FALSE			No Information				TRUE
New	Market Size	1	No Information	Enumeration	Unitless		Market Size
<i>allowed values:</i> Large Small			Medium			No Information	Not Applicable
New	Medical Facility	1	-999999	Integer	Unitless		MedicalFacility
<i>allowed values:</i> -999999							
New	Medical Specialty	1	No Information	String	Unitless	254	Medical Specialty
<i>allowed values:</i> No Information							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information							
New	Multi-unit Building	1	No Information	Boolean	Unitless	0	An indication that a building is divided into two or more distinct sets of rooms or other interior spaces that are internally fully-connected while being separated from each other and common areas by controlled access point(s) (for example: lockable doors) that enable physical privacy and security for its occupants.
<i>allowed values:</i> FALSE			No Information				TRUE
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information							
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information				True
New	Number Rooms	1	-999999	Integer	Unitless		Number of Rooms
<i>allowed values:</i> -999999							
New	Water Resource Information : pH of Water	1	-999999	Real	Milligrams per Litre		The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999							
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation	Intact Under Construction
	Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.

	<i>allowed values:</i>	Aircraft Biochemical Chemical Coke Cotton Electronic Equipment Fluorine Gas Ice Liquefied Natural Gas (LNG) Metal Munitions <i>Not Applicable</i> Paper Petroleum and/or Natural Gas Prestressed Concrete Salt Steel Uranium Wine	Aluminum Biodiesel Clothing Concrete Desalinated Water Explosive Food Glass Iron Liquefied Petroleum Gas (LPG) Milk <i>No Information</i> Nuclear Fuel Petrochemical Petroleum Lubricant Radioactive Material Sewage Sugar Vegetation Product Zinc	Ammunition Brick Coal Consumer Goods Electric Power Fertilizer Frozen Water Gold Lead Lumber Milled Grain No Product Olive Oil Petrol Phosphorus Rice Silver Textile Water	Asphalt Cement Coffee Copper Electrical Equipment Fish Fruit Heating Steam and/or Water Lime Manganese Motor Vehicle Non-solid Hydrocarbon Fuel <i>Other</i> Petroleum Plastic Rubber Snow Tobacco Whale Products				
New	Water Resource Information : Pump Type	1	No Information	Enumeration	Unitless		The type of pump used to move liquid or semi-liquid material from one location to another.		
	<i>allowed values:</i>	<i>Airlift</i> <i>No Information</i> <i>Turbine</i>	<i>Centrifugal</i> <i>Other</i> <i>Vacuum</i>			<i>Gravity</i> <i>Reciprocating</i>	<i>Jet</i> <i>Rotary</i>		
New	Water Resource Information : Purification Process	1	No Information	Enumeration	Unitless		Water purification process		
	<i>allowed values:</i>	<i>Blending</i> <i>Filtration</i> <i>No Information</i> <i>Vapor Compression</i>	<i>Desalination</i> <i>Freezing</i> <i>Other</i>			<i>Disinfection</i> <i>Multi-effect evaporation</i> <i>Reverse Osmosis</i>	<i>Electrolysis</i> <i>Multi-stage flash</i> <i>Sedimentation/coagulation</i>		
	Manufacturing Information : Raw Material	3	No Information	Enumeration	Unitless	0	The principal 'raw', or input, material(s) involved in a production activity. [Description] If multiple 'raw' materials are specified then they are usually listed in descending order of importance.		
	<i>allowed values:</i>	Aluminum Chemical Copper Gold Lumber No Raw Material Paper Radioactive Material Snow Tobacco Wood	Asphalt Clay Cotton Ice Manganese Oil Petroleum and/or Natural Gas Rubber Steel Uranium Zinc	Bauxite Coal Gas Iron Metal Ore Plant Material Sewage Sugar Vegetation	Cement Coke Glass Lead <i>No Information</i> <i>Other</i> Plastic Silver Textile Water				
	Religious Information : Religious Designation	1	No Information	Enumeration	Unitless	0	A designation denoting a religion or system of belief.		
	<i>allowed values:</i>	Buddhism Islam Orthodox Shia	Chaldean Judaism <i>Other</i> Shinto	Christian Nestorian Protestant Sunni	Hinduism <i>No Information</i> Roman Catholic				
	Religious Information : Religious Facility Type	1	No Information	Enumeration	Unitless	0	The type of a facility, building, structure or site that is designed and designated to be used for religious activities, based on its structure and/or the principal activity for which it was designed.		

<i>allowed values:</i>	Burial Site	Cathedral	Chapel	Church			
	Convent	Hermitage	Marabout	Minaret			
	Mission	Monastery	Mosque	No Information			
	<i>Not Applicable</i>	Noviciate	Other	Pagoda			
	Religious Community	Retreat	Seminary	Shrine			
	Stupa	Synagogue	Tabernacle	Temple			
New	Residence Configuration Type	1	No Information	Enumeration	Unitless	0	Configuration of a residence in regards to its structure or form.
<i>allowed values:</i>	<i>Apartment House</i>	<i>Attached House</i>	<i>Detached House</i>	<i>Manufactured House</i>			
	No Information	Other					
Restriction Information : Security Attributes Group (resource classification)		1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U							
Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)			
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)			
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)			
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)			
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)			
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)			
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)			
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army			
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard			
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State			
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)			
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration			
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)			
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)			
	U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information							
	Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i>	Conical	Domed	Flat	Flat with Clerestory			
	Flat with Parapet	No Information	Other	Pitched			
	Pitched with Clerestory	Pyramidal	Sawtoothed	Semi-cylindrical			
	With Clerestory	With Cupola	With Minaret	With Smokestack			
	With Steeple	With Tower	With Turret				
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information							

New	Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre		The mass of sulfate ions per volume of solution.
	<u>allowed values:</u>	-999999					
New	Water Resource Information : Temperature	1	-999999	Real	Degree Celsius		The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
	<u>allowed values:</u>	-999999					
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre		The total mass of dissolved inorganic chemical constituents per volume of solution.
	<u>allowed values:</u>	-999999					
New	Total Staff	1	-999999	Integer	Unitless		Total Staff
	<u>allowed values:</u>	-999999					
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units		The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<u>allowed values:</u>	-999999					
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<u>allowed values:</u>	No Information					
	Vehicle Capacity	1	-999999	Integer	Unitless		The number of vehicles that a feature can accommodate.
	<u>allowed values:</u>	-999999					
	Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
	<u>allowed values:</u>	Adobe Brick Fibreglass Metal Plant Material Steel		Aluminum Glass Mud-based Construction Prestressed Concrete Stone		Brick Iron No Information Reinforced Concrete Treated Timber	Concrete Masonry Other Sod Wood
	Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
	<u>allowed values:</u>	No Information					
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime		The electrical conductivity of water.
	<u>allowed values:</u>	-999999					
New	Water Resource Information : Water Flow	1	-999999	Real	Cubic Metres per Hours		The rate of water flow through or exiting from a feature.
	<u>allowed values:</u>	-999999					
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre		The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<u>allowed values:</u>	-999999					
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless		The potability of water based on the type of treatment required before it is safe for human consumption.
	<u>allowed values:</u>	Contaminated Potable		No Information Treatable		Nonpotable	Other
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless		The type of available water based on its composition.

	<i>allowed values:</i>	Alkaline Mineral Saline		Brackish No Information Seawater		Brine Not Applicable		Fresh Other
New	Water Resource Information : Water Use	3	No Information	Enumeration	Unitless	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.		
	<i>allowed values:</i>	Agricultural Irrigation Institutional Other		Commercial Livestock Power Generation		Domestic Irrigation Municipal Recreational		Industrial No Information Sanitary Domestic
	Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	
	<i>allowed values:</i>	-999999						
New	Window Type	1	No Information	Enumeration	Unitless	0	Type of Window	
	<i>allowed values:</i>	No Information Plastic with Bars		Open with Bars Plastic without Bars		Open without Bars		Other
New	Windows Per Story	1	-999999	Integer	Unitless	0	Number of windows per story	
	<i>allowed values:</i>	-999999						
	Wireless Telecommunication Information : Wireless Telecommunication Type	1	No Information	Enumeration	Unitless	0	The type of a wireless telecommunication service based on the mechanism(s) of transmission and/or the nature of the communication(s) supported. [Description] For example, radio broadcast or mobile phone service.	
	<i>allowed values:</i>	Cellular Phone Other Television (TV)		Microwave Radio Relay Radio Broadcast		Mobile Phone Radio Telephone		No Information Radio-telegraph

Relationships: Building (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Building (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Building (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Building (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Building (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Building (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Building (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Building (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Building (Area 00) - is a member of group - Exactly one - StructureSrf (FeatureGroup 00)

Feature Building (Point 00)

New ☐ Building

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False						
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						

	Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
	<i>allowed values:</i>	-999999					
New	Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre		The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
	<i>allowed values:</i>	-999999					
New	Attached Building	1	No Information	Boolean	Unitless	0	An indication that a building is physically contiguous (for example: shares a common wall) with one or more adjacent buildings.
	<i>allowed values:</i>	FALSE		No Information		TRUE	
	Available POL	3	No Information	Enumeration	Unitless		The type(s) of petroleum, oils, and lubricants (POL) available at, or on the grounds of, a facility. [Description] POL include a variety of substances, including fuels used in motor vehicles, heating fuels, and lubricants used in vehicle and engine maintenance. Water for maintenance operations may be included.
	<i>allowed values:</i>	Benzene Diesel Propane Other		Benzene Propane Liquefied Petroleum Gas (LPG)		Diesel Benzene No Information Diesel Oil Not Applicable	
	Manufacturing Information : By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.
	<i>allowed values:</i>	Ash Other Sewage		Cinders Radioactive Material Slag		No Byproduct Refuse No Information Scrap-metal	
New	Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre		The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<i>allowed values:</i>	-999999					
New	Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density		The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<i>allowed values:</i>	-999999					
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i>	Civilian National Public		International No Information State		Joint Military and Civilian Other Military Private	
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre		The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN ⁻ . These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i>	-999999					
New	Water Resource Information : Device Power Type	1	No Information	Enumeration	Unitless	0	The method by the device is powered, if any.
	<i>allowed values:</i>	Compressed Air No Information		Electricity Other		Gravity Petroleum Product Manual Steam	
New	Water Resource Information : Device Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the device and the underlying ground (terrain), liquid or waterbody bottom.
	<i>allowed values:</i>	Above Surface On Waterbody Bottom		Below Ground Surface Other		No Information Submerged On Surface	
	Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
	<i>allowed values:</i>	No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational Operational	
New	Feature Code	1	AL013	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<i>allowed values:</i>	AL013					
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.

allowed values:

Accommodation	Accounting	Administration	Adult Entertainment
Advertising	Agriculture	Air Traffic Control	Air Transport
Aircraft Manufacture	Aircraft Repair	Amusement	Animal Boarding
Animal Feed Manufacture	Apparel Manufacture	Aquaculture	Aquarium
Architecture Consulting	Armory	Auditorium	Baking
Banquet Hall	Bar	Beauty Treatment	Botanical and/or Zoological Reserve Activities
Branch Telephone Exchange	Brewing	Business Management	Call Centre
Canal Transport	Capitol	Cargo Handling	CBRNE Civilian Support
Cement Mill	Cement Product Manufacture	Central Banking	Ceramic Product Manufacture
Chemical Manufacture	Cinema	Civil Activities	Civil Intelligence
Clay Product Manufacture	Club	Coke Manufacture	Commerce
Community Centre	Confection Manufacture	Consul	Convenience Store
Convention Centre	Cooling	Courier Activities	Cremation
Custodial Service	Customs Checkpoint	Dairying	Day Care
Defence Activities	Dependents Housing	Dining Hall	Diplomacy
Diplomatic Mission	Dormitory	Education	Electrical Equipment Manufacture
Electrical Equipment Repair	Electronic Equipment Manufacture	Electronic Equipment Repair	Embassy
Emergency Operations	Emergency Relief Services	Emergency Shelter	Emergency Youth Shelter
Employment Agency	Engineering Design	Fabricated Metal Product Manufacture	Fabricated Metal Product Repair
Financial Market Administration	Financial Services	Firefighting	Fitness Centre
Food Processing	Food Product Manufacture	Footwear Manufacturing	Forest Warden
Foundry	Fruit and/or Vegetable Processing	Fund Management	Funeral Services
Furniture Manufacture	Gambling	Game and/or Toy Manufacture	General Repair
Glass Product Manufacture	Government	Grain Milling	Grocery
Growing of Crops	Guard	Guest-house	Harbour Control
Head Office	Headquarters	Heating	Higher Education
Hobbies and/or Leisure Activities	Homeless Shelter	Hostel	Hotel
Human Health Activities	Human Tissue Repository	Ice Manufacture	Immigration Control
Imprisonment	Inland Waters Transport	In-patient Care	Inspection Station
Institution	Insurance	Intermediate Care	Islamic Prayer Hall
Jewellery Manufacture	Judicial Activities	Juvenile Corrections	Landscaping Service
Laundry	Law Enforcement	Leather Product Manufacture	Legal Activities
Leprosy Care	Library	Local Government	Machinery Manufacture
Machinery Repair	Main Telephone Exchange	Manufacturing	Maritime Defense
Maritime Pilotage	Market	Materials Recovery	Meat Processing
Medical and/or Dental Equipment Manufacture	Medicinal Product Manufacture	Meeting Place	Metal Refining
Military Recruitment	Military Reserve Activities	Military Vehicle Manufacture	Mining and Quarrying
Mobile Phone Service	Mortuary Services	Motel	Motor Vehicle Manufacture
Motor Vehicle Parking	Motor Vehicle Rental	Motor Vehicle Repair	Munitions Manufacture
Museum	Musical Instrument Manufacture	Navigation	Night Club
No Information	Non-specialized Store	Not Applicable	Nuclear Research Centre
Observation Station	Office Administration	Oil-mill	Opera House
Ore Dressing	Other	Out-patient Care	Palace
Paper-mill	Pasta Manufacture	Pedestrian Transport	Petrol Sale
Petroleum Refining	Pet-shop	Pharmacy	Photography
Pilot Station	Pipeline Transport	Place of Worship	Plastic Product Manufacture
Polling Station	Port Control	Postal Activities	Power Generation
Precious Metal Merchant	Prepared Meal Manufacture	Primary Education	Print Publishing
Printing	Propane Sale	Psychiatric In-patient Care	Public Health Activities
Public Records	Pumping	Radio Broadcasting	Railway Passenger Transport
Railway Transport	Railway Vehicle Manufacture	Railway Vehicle Repair	Raising of Animals
Real Estate Activities	Recreation	Refractory Product Manufacture	Refugee Shelter
Religious Activities	Rescue and Paramedical Services	Residence	Residential Care
Resort Hotel	Restaurant	Restroom	Retail Banking
Retail Service	Retail Telecommunications	Road Freight Transport	Road Passenger Transport
Road Transport	Rubber Product Manufacture	Sales Yard	Satellite Ground Control

Satellite Telecommunications
 Secondary Education
 Sewerage Screening
 Signalling
 Spirit Distillery
 Steel Mill
 Subnational Government
 Surveying
 Textile Manufacture
 Transport System Maintenance
 Vacation Cottage
 Waste Treatment and Disposal
 Weather Station
 Wired Repeater
 Wooden Construction Product Manufacture

Sawmilling
 Security Brokerage
 Ship Construction
 Social Work
 Sports Centre
 Stone Product Manufacture
 Sugar Manufacture
 Telecommunications
 Theatre
 Travel Agency
 Veterinary
 Water Distribution
 Wholesale Merchant
 Wired Telecommunications
 Yacht-club

Scientific Research and Development
 Security Enforcement
 Ship Repair
 Soft Drink Manufacture
 Sports Goods Manufacture
 Stop
 Sugar Milling
 Television Broadcasting
 Tobacco Product Manufacture
 Urgent Medical Care
 Vocational Education
 Water Transport
 Wind Tunnel
 Wireless Repeater

Seafood Processing
 Sewerage
 Shooting Range
 Specialized Store
 Station
 Structural Metal Product Manufacture
 Sugar Refining
 Terminal
 Transport
 Utilities
 Warehousing and Storage
 Water Treatment
 Winery
 Wireless Telecommunications

	Floor Count	1	-999999	REAL	Unitless	0	The number of floors in a structure (for example: a building).
	<i>allowed values:</i>	-999999					
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i>	No Information					
	Geographic Name Type	3	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i>	Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	
New	Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The type of designated hazard protection shelter based on the kind of emergency. [Description] These shelters may be inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
	<i>allowed values:</i>	Bomb Shelter Storm Shelter		Fallout Shelter		No Information Other	
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i>	-999999					
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i>	-999999					
	Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
	<i>allowed values:</i>	Accurate		Approximate		Doubtful No Information	
New	Hospital Bed Count	1	-999999	Integer	Unitless		The number of beds in a hospital.
	<i>allowed values:</i>	-999999					
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i>	-999999					
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre		The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.

<u>allowed values:</u> -999999							
New	Manufactured Building	1	No Information	Boolean	Unitless	0	An indication that a building is free-standing (detached) and self-contained and is built in a factory and then towed by a tractor to its semi-permanent site.
<u>allowed values:</u> FALSE							
New	Market Size	1	No Information	Enumeration	Unitless		Market Size
<u>allowed values:</u> Large Small							
Medium							
No Information							
Not Applicable							
New	Medical Facility	1	-999999	Integer	Unitless		MedicalFacility
<u>allowed values:</u> -999999							
New	Medical Specialty	1	No Information	String	Unitless	254	Medical Specialty
<u>allowed values:</u> No Information							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information							
New	Multi-unit Building	1	No Information	Boolean	Unitless	0	An indication that a building is divided into two or more distinct sets of rooms or other interior spaces that are internally fully-connected while being separated from each other and common areas by controlled access point(s) (for example: lockable doors) that enable physical privacy and security for its occupants.
<u>allowed values:</u> FALSE							
No Information							
TRUE							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information							
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False							
No Information							
True							
New	Number Rooms	1	-999999	Integer	Unitless		Number of Rooms
<u>allowed values:</u> -999999							
New	Water Resource Information : pH of Water	1	-999999	Real	Milligrams per Litre		The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
<u>allowed values:</u> -999999							
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u> Damaged							
No Information							
Unmaintained							
Destroyed							
Ruined							
Dismantled							
Site Preparation							
Intact							
Under Construction							
	Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.

	<i>allowed values:</i>	Aircraft Biochemical Chemical Coke Cotton Electronic Equipment Fluorine Gas Ice Liquefied Natural Gas (LNG) Metal Munitions <i>Not Applicable</i> Paper Petroleum and/or Natural Gas Prestressed Concrete Salt Steel Uranium Wine	Aluminum Biodiesel Clothing Concrete Desalinated Water Explosive Food Glass Iron Liquefied Petroleum Gas (LPG) Milk <i>No Information</i> Nuclear Fuel Petrochemical Petroleum Lubricant Radioactive Material Sewage Sugar Vegetation Product Zinc	Ammunition Brick Coal Consumer Goods Electric Power Fertilizer Frozen Water Gold Lead Lumber Milled Grain No Product Olive Oil Petrol Phosphorus Rice Silver Textile Water	Asphalt Cement Coffee Copper Electrical Equipment Fish Fruit Heating Steam and/or Water Lime Manganese Motor Vehicle Non-solid Hydrocarbon Fuel <i>Other</i> Petroleum Plastic Rubber Snow Tobacco Whale Products		
New	Water Resource Information : Pump Type	1	No Information	Enumeration	Unitless		The type of pump used to move liquid or semi-liquid material from one location to another.
	<i>allowed values:</i>	<i>Airlift</i> <i>No Information</i> <i>Turbine</i>	<i>Centrifugal</i> <i>Other</i> <i>Vacuum</i>			<i>Gravity</i> <i>Reciprocating</i>	<i>Jet</i> <i>Rotary</i>
New	Water Resource Information : Purification Process	1	No Information	Enumeration	Unitless		Water purification process
	<i>allowed values:</i>	<i>Blending</i> <i>Filtration</i> <i>No Information</i> <i>Vapor Compression</i>	<i>Desalination</i> <i>Freezing</i> <i>Other</i>			<i>Disinfection</i> <i>Multi-effect evaporation</i> <i>Reverse Osmosis</i>	<i>Electrolysis</i> <i>Multi-stage flash</i> <i>Sedimentation/coagulation</i>
	Manufacturing Information : Raw Material	3	No Information	Enumeration	Unitless	0	The principal 'raw', or input, material(s) involved in a production activity. [Description] If multiple 'raw' materials are specified then they are usually listed in descending order of importance.
	<i>allowed values:</i>	Aluminum Chemical Copper Gold Lumber No Raw Material Paper Radioactive Material Snow Tobacco Wood	Asphalt Clay Cotton Ice Manganese Oil Petroleum and/or Natural Gas Rubber Steel Uranium Zinc	Bauxite Coal Gas Iron Metal Ore Plant Material Sewage Sugar Vegetation	Cement Coke Glass Lead <i>No Information</i> <i>Other</i> Plastic Silver Textile Water		
	Religious Information : Religious Designation	1	No Information	Enumeration	Unitless	0	A designation denoting a religion or system of belief.
	<i>allowed values:</i>	Buddhism Islam Orthodox Shia	Chaldean Judaism <i>Other</i> Shinto	Christian Nestorian Protestant Sunni	Hinduism <i>No Information</i> Roman Catholic		
	Religious Information : Religious Facility Type	1	No Information	Enumeration	Unitless	0	The type of a facility, building, structure or site that is designed and designated to be used for religious activities, based on its structure and/or the principal activity for which it was designed.

<i>allowed values:</i>	Burial Site	Cathedral	Chapel	Church			
	Convent	Hermitage	Marabout	Minaret			
	Mission	Monastery	Mosque	No Information			
	Not Applicable	Noviciate	Other	Pagoda			
	Religious Community	Retreat	Seminary	Shrine			
	Stupa	Synagogue	Tabernacle	Temple			
New	Residence Configuration Type	1	No Information	Enumeration	Unitless	0	Configuration of a residence in regards to its structure or form.
<i>allowed values:</i>	Apartment House	Attached House	Detached House	Manufactured House			
	No Information	Other					
Restriction Information : Security Attributes Group (resource classification)		1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U							
Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)			
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)			
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)			
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)			
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)			
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)			
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)			
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army			
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard			
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State			
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)			
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration			
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)			
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)			
	U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information							
Roof Shape		3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i>	Conical	Domed	Flat	Flat with Clerestory			
	Flat with Parapet	No Information	Other	Pitched			
	Pitched with Clerestory	Pyramidal	Sawtoothed	Semi-cylindrical			
	With Clerestory	With Cupola	With Minaret	With Smokestack			
	With Steeple	With Tower	With Turret				
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information							

New	Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre		The mass of sulfate ions per volume of solution.
	<u>allowed values:</u>	-999999					
New	Water Resource Information : Temperature	1	-999999	Real	Degree Celsius		The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
	<u>allowed values:</u>	-999999					
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre		The total mass of dissolved inorganic chemical constituents per volume of solution.
	<u>allowed values:</u>	-999999					
New	Total Staff	1	-999999	Integer	Unitless		Total Staff
	<u>allowed values:</u>	-999999					
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units		The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<u>allowed values:</u>	-999999					
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<u>allowed values:</u>	No Information					
	Vehicle Capacity	1	-999999	Integer	Unitless		The number of vehicles that a feature can accommodate.
	<u>allowed values:</u>	-999999					
	Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
	<u>allowed values:</u>	Adobe Brick Fibreglass Metal Plant Material Steel		Aluminum Glass Mud-based Construction Prestressed Concrete Stone		Brick Iron No Information Reinforced Concrete Treated Timber	Concrete Masonry Other Sod Wood
	Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
	<u>allowed values:</u>	No Information					
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime		The electrical conductivity of water.
	<u>allowed values:</u>	-999999					
New	Water Resource Information : Water Flow	1	-999999	Real	Cubic Metres per Hours		The rate of water flow through or exiting from a feature.
	<u>allowed values:</u>	-999999					
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre		The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<u>allowed values:</u>	-999999					
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless		The potability of water based on the type of treatment required before it is safe for human consumption.
	<u>allowed values:</u>	Contaminated Potable		No Information Treatable		Nonpotable	Other
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless		The type of available water based on its composition.

	<i>allowed values:</i>	Alkaline Mineral Saline		Brackish No Information Seawater		Brine Not Applicable	Fresh Other
New	Water Resource Information : Water Use	3	No Information	Enumeration	Unitless	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.	
	<i>allowed values:</i>	Agricultural Irrigation Institutional Other		Commercial Livestock Power Generation		Domestic Irrigation Municipal Recreational	Industrial No Information Sanitary Domestic
	Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
	<i>allowed values:</i>	-999999					
New	Window Type	1	No Information	Enumeration	Unitless	0	Type of Window
	<i>allowed values:</i>	No Information Plastic with Bars		Open with Bars Plastic without Bars		Open without Bars	Other
New	Windows Per Story	1	-999999	Integer	Unitless	0	Number of windows per story
	<i>allowed values:</i>	-999999					
	Wireless Telecommunication Information : Wireless Telecommunication Type	1	No Information	Enumeration	Unitless	0	The type of a wireless telecommunication service based on the mechanism(s) of transmission and/or the nature of the communication(s) supported. [Description] For example, radio broadcast or mobile phone service.
	<i>allowed values:</i>	Cellular Phone Other Television (TV)		Microwave Radio Relay Radio Broadcast		Mobile Phone Radio Telephone	No Information Radio-telegraph

Relationships: Building (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Building (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Building (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Building (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Building (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Building (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Building (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Building (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Building (Point 00) - is a member of group - Exactly one - StructurePnt (FeatureGroup 00)

Feature BuildingSuperstructure (Area 00)

New ☐ Building Superstructure

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Building Superstructure Type	1	No Information	Enumeration	Unitless	0	The type of a superstructure that extends above the general roofline of a building.

<i>allowed values:</i>		Chimney Elevator Machine Room No Information Roof Deck Steeple	Clerestory HVAC Equipment Ornamental Element Roof Garden Tower	Cupola Lightning Rod Other Signage Turret	Dome Minaret Parapet Skylight
Facility Operational Status	1	No Information	Enumeration	Unitless	The status of operation of a facility, as a whole.
<i>allowed values:</i>	No Information Partially Operational		Non-operational Planned	Not in Operation Temporarily Non-operational	Operational
New Feature Code	1	AL018	CONSTRAINED_ STRING	Unitless	5
<i>allowed values:</i>	AL018				
Geographic Name Information : Full Name	1	No Information	String	Unitless	200
<i>allowed values:</i>	No Information				
Height Above Surface Level	1	-999999	REAL	Metre	0
<i>allowed values:</i>	-999999				
Height of Object	1	-999999	REAL	Metre	0
<i>allowed values:</i>	-999999				
Highest Elevation	1	-999999	REAL	Metre	0
<i>allowed values:</i>	-999999				
Length	1	-999999	REAL	Metre	0
<i>allowed values:</i>	-999999				
Note : Memorandum	1	No Information	String	Unitless	2E+09
<i>allowed values:</i>	No Information				
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18
<i>allowed values:</i>	No Information				
Navigation Landmark	1	No Information	Boolean	Unitless	0
<i>allowed values:</i>	False		No Information	True	
New Physical Condition	1	No Information	Enumeration	Unitless	The physical state of a structure, or site, as a whole.
<i>allowed values:</i>	Damaged No Information Unmaintained		Destroyed Ruined	Dismantled Site Preparation	Intact Under Construction

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i> U							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
<i>allowed values:</i>							
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)	Military Geography Division (Poland)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
No Information			Other			Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force	U.S. Army
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)	U.S. Department of State
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy	U.S. Northern Command (USNORTHCOM)
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
U.S. Transportation Command (USTRANSCOM)							
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
<i>allowed values:</i> No Information							
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
<i>allowed values:</i> No Information							
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
<i>allowed values:</i> No Information							
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.	
<i>allowed values:</i> No Information							
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999							

Relationships: BuildingSuperstructure (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 BuildingSuperstructure (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 BuildingSuperstructure (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 BuildingSuperstructure (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 BuildingSuperstructure (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 BuildingSuperstructure (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 BuildingSuperstructure (Area 00) - is a member of group - Exactly one - StructureSrf (FeatureGroup 00)

Feature BuildingSuperstructure (Line 00)New ☐ Building Superstructure**A supplemental portion of a building which rises from the roof but is not considered to be a portion of the roof.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Building Superstructure Type	1	No Information	Enumeration	Unitless	0	The type of a superstructure that extends above the general roofline of a building.
<i>allowed values:</i> Chimney Elevator Machine Room No Information Roof Deck Steeple			Clerestory HVAC Equipment Ornamental Element Roof Garden Tower			Cupola Lightning Rod Other Signage Turret Dome Minaret Parapet Skylight
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL018	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL018						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Height of Object	1	-999999	REAL	Metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values: False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
allowed values: Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.

allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: BuildingSuperstructure (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 BuildingSuperstructure (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 BuildingSuperstructure (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 BuildingSuperstructure (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 BuildingSuperstructure (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 BuildingSuperstructure (Line 00) - is a member of group - Exactly one - StructureCrv (FeatureGroup 00)

Feature BuildingSuperstructure (Point 00)New ☐ Building Superstructure**A supplemental portion of a building which rises from the roof but is not considered to be a portion of the roof.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<u>allowed values:</u> <i>False</i>			No Information			<i>True</i>
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Building Superstructure Type	1	No Information	Enumeration	Unitless	0	The type of a superstructure that extends above the general roofline of a building.
<u>allowed values:</u> Chimney Elevator Machine Room No Information Roof Deck Steeple			Clerestory HVAC Equipment Ornamental Element Roof Garden Tower			Cupola Lightning Rod Other Signage Turret Dome Minaret Parapet Skylight
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information <i>Partially Operational</i>			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AL018	CONSTRAINED_ STRING	Unitless	5	Feature Code

<u>allowed values:</u> <i>AL018</i>							
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.	
<u>allowed values:</u> No Information							
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
<u>allowed values:</u> <i>-999999</i>							
Height of Object	1	-999999	REAL	Metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.	
<u>allowed values:</u> <i>-999999</i>							
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<u>allowed values:</u> <i>-999999</i>							
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<u>allowed values:</u> <i>-999999</i>							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<u>allowed values:</u> No Information							
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<u>allowed values:</u> No Information							
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
<u>allowed values:</u> <i>False</i>			<i>No Information</i>			<i>True</i>	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.	
<u>allowed values:</u> <i>Damaged</i> No Information <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>			<i>Dismantled</i> <i>Site Preparation</i>	<i>Intact</i> <i>Under Construction</i>
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<u>allowed values:</u> <i>U</i>							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	

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BuildingSuperstructure (Point 00)

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: BuildingSuperstructure (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 BuildingSuperstructure (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 BuildingSuperstructure (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 BuildingSuperstructure (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 BuildingSuperstructure (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 BuildingSuperstructure (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 BuildingSuperstructure (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 BuildingSuperstructure (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 BuildingSuperstructure (Point 00) - is a member of group - Exactly one - StructurePnt (FeatureGroup 00)

Feature BuiltUpArea (Area 00) New ☐ Built-up Area

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
BGN Administrative Level	1	No Information	Enumeration	Unitless	0	The level of an administrative division of a country as established by the U.S. Board on Geographic Names (BGN). [Description] The BGN is a management body established to maintain uniform geographic name usage throughout the U.S. Government.
<i>allowed values:</i> Fifth-order Other			First-order Second-order			Fourth-order Third-order No Information
Built-up Area Density Category	1	No Information	Enumeration	Unitless	0	A general evaluation of the density of a built-up area, as a category.
<i>allowed values:</i> Dense			Moderate			No Information Sparse
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL020						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Adult Entertainment Institution Recreation Utilities			Commerce Manufacturing Religious Activities			Defence Activities No Information Residence Food Product Manufacture Other Telecommunications
Geographic Name Information : (second) Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information <i>allowed values:</i> No Information <i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : (first Name Identifier)	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
<i>allowed values:</i> No Information						
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
World Port Index Identifier	1	No Information	String	Unitless	14	The unique identifier element in the NGA World Port Index (Publication 150). [Description] The World Port Index lists all of the major shipping ports in the world, giving all the information (for example: latitude and longitude, facilities information, tidal data, and customs information) that a ship captain might need to prepare for a visit.

allowed values: No Information

Relationships: BuiltUpArea (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 BuiltUpArea (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 BuiltUpArea (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 BuiltUpArea (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 BuiltUpArea (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 BuiltUpArea (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 BuiltUpArea (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 BuiltUpArea (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 BuiltUpArea (Area 00) - is a member of group - Exactly one - SettlementSrf (FeatureGroup 00)

Feature BuiltUpArea (Point 00)New ☐ Built-up Area**A tract containing a concentration of buildings and/or other structures.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
BGN Administrative Level	1	No Information	Enumeration	Unitless	0	The level of an administrative division of a country as established by the U.S. Board on Geographic Names (BGN). [Description] The BGN is a management body established to maintain uniform geographic name usage throughout the U.S. Government.
<i>allowed values:</i> Fifth-order Other			First-order Second-order	Fourth-order Third-order No Information		
Built-up Area Density Category	1	No Information	Enumeration	Unitless	0	A general evaluation of the density of a built-up area, as a category.
<i>allowed values:</i> Dense			Moderate	No Information Sparse		
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).

	<i>allowed values:</i>	Civilian National Public		International No Information State		Joint Military and Civilian Other		Military Private
	Facility Operational Status	1	No Information	Enumeration	Unitless	The status of operation of a facility, as a whole.		
	<i>allowed values:</i>	No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational	Operational	
New	Feature Code	1	AL020	CONSTRAINED_ STRING	Unitless	5	Feature Code	
	<i>allowed values:</i>	AL020						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.	
	<i>allowed values:</i>	Adult Entertainment Institution Recreation Utilities		Commerce Manufacturing Religious Activities		Defence Activities No Information Residence	Food Product Manufacture Other Telecommunications	
	Geographic Name Information : (second) Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.	
	<i>allowed values:</i>	No Information						
	<i>allowed values:</i>	No Information						
	<i>allowed values:</i>	No Information						
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
	<i>allowed values:</i>	-999999						
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
	<i>allowed values:</i>	-999999						
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
	<i>allowed values:</i>	-999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
	<i>allowed values:</i>	No Information						
	Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
	<i>allowed values:</i>	No Information						
	<i>allowed values:</i>	No Information						
	<i>allowed values:</i>	No Information						
New	Physical Condition	1	No Information	Enumeration	Unitless	The physical state of a structure, or site, as a whole.		
	<i>allowed values:</i>	Damaged No Information Unmaintained		Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction	
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	

allowed values: U

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)					Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)
	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)					Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u>	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<u>allowed values:</u>	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<u>allowed values:</u>	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<u>allowed values:</u>	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<u>allowed values:</u>	-999999					
World Port Index Identifier	1	No Information	String	Unitless	14	The unique identifier element in the NGA World Port Index (Publication 150). [Description] The World Port Index lists all of the major shipping ports in the world, giving all the information (for example: latitude and longitude, facilities information, tidal data, and customs information) that a ship captain might need to prepare for a visit.
<u>allowed values:</u>	No Information					

Relationships: BuiltUpArea (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 BuiltUpArea (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 BuiltUpArea (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 BuiltUpArea (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 BuiltUpArea (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 BuiltUpArea (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 BuiltUpArea (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 BuiltUpArea (Point 00) - is a member of group - Exactly one - SettlementPnt (FeatureGroup 00)
 BuiltUpArea (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature Buoy (Point 00)New ☐ Buoy**A floating object moored to the bottom in a particular place, as an aid to navigation or for other specific purposes.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Beacon Type	1	No Information	Enumeration	Unitless		The type of a beacon based on its significance to maritime navigation.
<i>allowed values:</i> Articulated Beacon Other			Mooring			No Information Not Applicable
Broadcast Frequency	1	-999999	Integer	Hertz		The transmission frequency of a radio communications device (for example: a television station or a radiobeacon).
<i>allowed values:</i> -999999						
Buoy Shape	1	No Information	Enumeration	Unitless		The principal shape and/or design of a buoy.
<i>allowed values:</i> Barrel Other			Conical Pillar			Diamond Spar No Information Super-buoy
Buoy Type	1	No Information	Enumeration	Unitless		The type(s) of a buoy based on its significance to maritime navigation.
<i>allowed values:</i> Large Automatic Navigation Buoy Other			Light Float			No Information Ocean Data Acquisition System (ODAS) Buoy
Character of Light	1	No Information	Constrained_String	Unitless	254	The characteristic description of a maritime light or lights at one geographic position that includes its class, number and color(s) of flashes or occultations. [Description] This text is structured as it traditionally has been represented on a paper chart.
<i>allowed values:</i> No Information						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BC020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BC020						
Fog Signal Type	1	No Information	Enumeration	Unitless		The type of a fog signal based on its signal characteristics and method of generation.
<i>allowed values:</i> Bell Horn Other			Diaphone No Information Reed			Explosive None Siren Gong Not Applicable Whistle
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Light Elevation	1	-999999	Real	Metre		The height of a light measured from a specified datum (for example: vertical or sounding), usually high water, as defined by the National agency. [Description] When used with a buoy the elevation is measured from the water surface; when used with a lighthouse the elevation is typically measured from ground level.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						

Multiple Light Ranges	1	No Information	Constrained_String	Unitless	254	A set of two numbers for light ranges of visibility (at a light) expressed in nautical miles.
<i>allowed values:</i>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i>	No Information					
Navigation Mark Colour	3	No Information	Enumeration	Unitless		The colour(s) of a International Association of Lighthouse Authorities (IALA) navigation mark. [Description] When the navigation mark is patterned, the Attribute: 'Colour Pattern' may be used to identify the pattern and a corresponding list of colours specified.
<i>allowed values:</i>	Black Grey Red		Blue No Information Violet		Brown Orange White	
Navigation System Type	3	No Information	Enumeration	Unitless		The type(s) of equipment or system used in electronic navigation.
<i>allowed values:</i>	Circular Radio Beacon None Radar Responder Beacon (RACON) Unspecified Radio Beacon		Directional Radiobeacon Other Radar Station		No Information QTG Station (R) Radio Direction Finding	
<i>allowed values:</i>					Non-Directional Radio Beacon (NDB) Radar Marker (RAMARK) Rotating Loop Radio Beacon	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i>	Damaged No Information Unmaintained		Destroyed Ruined		Dismantled Site Preparation	
Primary Operating Range	1	-999999	Real	Nautical Mile		The primary range of the NAVAID beyond which the capture of the signal is not completely assured.
<i>allowed values:</i>	-999999					
Radar Reflector Present	1	No Information	Boolean	Unitless	0	An indication that an object has an associated radar reflector.
<i>allowed values:</i>	FALSE		No Information		TRUE	
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i>	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)					
	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)					
	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)					
	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)					

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Second Broadcast Frequency	1	-999999	Integer	Hertz		The alternate or second transmission frequency of a radio communications device (for example: a television station, a radiobeacon). [Description] Used for additional, alternate, and/or backup transmissions.
<i>allowed values:</i> -999999						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Structure Shape	1	No Information	Enumeration	Unitless	0	The geometric form, appearance, and/or configuration of the feature as a whole.
<i>allowed values:</i> Cylindrical on Tower			No Information			Other Spherical
Topmark Shape	1	No Information	Enumeration	Unitless		The characteristic topmark or daymark shape attached to a maritime aid to navigation to aid identification. [Description] May be secured at the top of a buoy or beacon.
<i>allowed values:</i> 2 Cones Base to Base 2 Spheres One over Other Besom Point Upward Cone over Ball Diamond Not Applicable			2 Cones Point to Point Ball (Filled) Can (Filled) Cone Point Downward Diamond over Ball Other			2 Cones Points Downward Ball (Open) Can (Open) Cone Point Upward Double Cone, Points Apart (Open) Upright Cross 2 Cones Points Upward Ball over Cone Can over Ball Cross Over Ball (Filled) No Information X-shaped
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: Buoy (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Buoy (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Buoy (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Buoy (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Buoy (Point 00) - is a member of group - Exactly one - HydroAidNavigationPnt (FeatureGroup 00)
 Buoy (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 Buoy (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature Cable (Line 00)New ☐ Cable

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Cable Suspended Shape	1	No Information	Enumeration	Unitless	0	The shape assumed by a cable suspended by a series of pylons.
<i>allowed values:</i> Mountain Catenary Symmetric Catenary			No Information			Other Overwater Catenary

Cable Type	3	No Information	Enumeration	Unitless	0	The type of a cable based on its use.
<i>allowed values:</i>	Barrier Guide Power Line Tethering		Communication Line Load Bearing Restraining Towing			Digital Communication Line No Information Telegraph Transmission Line Fibre-optic Other Telephone
Contained within Service Tunnel	1	No Information	Boolean	Unitless	0	The object (for example: a telecommunication cable or a power line) is located within a service tunnel.
<i>allowed values:</i>	False		No Information			True
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i>	Civilian National Public		International No Information State			Joint Military and Civilian Other Military Private
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i>	-999999					
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i>	No Information Partially Operational		Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AT005	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i>	AT005					
Floating	1	No Information	Boolean	Unitless	0	An indication that an object is floating.
<i>allowed values:</i>	False		No Information			True
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i>	No Information					
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i>	-999999					
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i>	-999999					
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i>	Accurate		Approximate			Doubtful No Information
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i>	-999999					
Isolated	1	No Information	Boolean	Unitless	0	An indication that a feature (for example: a structure) is in the open by itself, isolated from other features of a similar type, and thus is visually distinct from surrounding features when viewed from a distance.
<i>allowed values:</i>	FALSE		No Information			TRUE
New Least Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling.
<i>allowed values:</i>	-999999					

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False			No Information			True
Overhead Clearance	1	-999999	REAL	Metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.
<u>allowed values:</u> -999999						
Parallel Line Count	1	-999999	REAL	Unitless	0	The total number of nominally parallel lines within the feature.
<u>allowed values:</u> -999999						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Power Line Maximum Voltage	1	-999999	REAL	Kilovolt	0	The maximum voltage at which a power line is designed to operate.
<u>allowed values:</u> -999999						
Predominant Feature Height	1	-999999	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).
<u>allowed values:</u> -999999						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values:	No Information					
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
allowed values:	Above Surface Below Waterbody Surface		Above Waterbody Bottom No Information		Below Ground Surface On Surface	Below Waterbody Bottom On Waterbody Bottom
Hydrographic Vertical Positioning Information : Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.
allowed values:	Always Dry Covers and Uncovers		Always Submerged No Information		Awash at Chart Datum Other	Awash at Low Water Partly Submerged
Waterbody Overhead Obstruction	1	No Information	Boolean	Unitless	0	An indication that an object is an overhead obstruction over a navigable waterbody.
allowed values:	False		No Information		True	

Relationships: Cable (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Cable (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Cable (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Cable (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Cable (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Cable (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Cable (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Cable (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Cable (Line 00) - is a member of group - Exactly one - UtilityInfrastructureCrv (FeatureGroup 00)

Feature Cableway (Line 00) New ☐ Cableway

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Cable Suspended Shape	1	No Information	Enumeration	Unitless	0	The shape assumed by a cable suspended by a series of pylons.
<i>allowed values:</i> Mountain Catenary Symmetric Catenary			No Information			Other Overwater Catenary
Cableway Type	1	No Information	Enumeration	Unitless	0	The type of a cableway based on structure and/or function.
<i>allowed values:</i> Aerial Tramway Material Tramway T-bar Lift			Chair-lift No Information			Gondola Lift Other Industrial Ropeway Ski Tow
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AT041	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AT041						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Manufacturing Transport			No Information			Other Recreation
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i>	-999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i>	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i>	False		No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i>	Damaged		Destroyed		Dismantled	
	No Information		Ruined		Intact	
	Unmaintained				Site Preparation	
					Under Construction	
Predominant Feature Height	1	-999999	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).
<i>allowed values:</i>	-999999					
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i>	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)					Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)
						Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)
						Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i>	No Information					

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
<i>allowed values:</i> No Information						
Waterbody Overhead Obstruction	1	No Information	Boolean	Unitless	0	An indication that an object is an overhead obstruction over a navigable waterbody.
<i>allowed values:</i> False						
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Cableway (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Cableway (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Cableway (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Cableway (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Cableway (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Cableway (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Cableway (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Cableway (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Cableway (Line 00) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup 00)

Feature Cairn (Point 00)New ☐ Cairn**A heap of stones piled up as a memorial or a landmark.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information						
<i>allowed values:</i> Partially Operational						
New Feature Code	1	AL025	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL025						

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Cairn (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Cairn (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Cairn (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Cairn (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Cairn (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Cairn (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Cairn (Point 00) - is a member of group - Exactly one - CulturePnt (FeatureGroup 00)
 Cairn (Point 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Cairn (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature CallingInPoint (Point 00)

New ☐ Calling-in Point

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Direction of Traffic - 1	1	-999999	Integer	Unitless	0	Direction of traffic, first occurrence.
<u>allowed values:</u> -999999						
Direction of Traffic - 2	1	-999999	Integer	Unitless	0	Direction of traffic, second occurrence.
<u>allowed values:</u> -999999						
Direction of Traffic - 3	1	-999999	Integer	Unitless	0	Direction of traffic, third occurrence.
<u>allowed values:</u> -999999						
Direction of Traffic - 4	1	-999999	Integer	Unitless	0	Direction of traffic, fourth occurrence.
<u>allowed values:</u> -999999						
New Feature Code	1	BB050	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BB050						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
						Bundeswehr Geoinformation Office (Germany)
						Defense Information Security (Italy)
						Geospatial Information Agency (Latvia)
						Mapping and Charting Establishment (Canada)
						Military Geography Division (Poland)
						National Army Topographic Service (Moldova)
						Topographic Institute (Slovakia)
						U.S. Army
						U.S. Coast Guard
						U.S. Department of State
						U.S. Joint Forces Command (USJFCOM)
						U.S. National Oceanic and Atmospheric Administration
						U.S. Northern Command (USNORTHCOM)
						U.S. Strategic Command (USSTRATCOM)

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: CallingInPoint (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 CallingInPoint (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 CallingInPoint (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 CallingInPoint (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 CallingInPoint (Point 00) - is a member of group - Exactly one - PortHarbourPnt (FeatureGroup 00)
 CallingInPoint (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 CallingInPoint (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature Camp (Area 00)

New ☐ Camp

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AI030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AI030						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Defence Activities No Information Residence			Forestry and/or Logging Other			Migrant Labour Petroleum and/or Gas Extraction Mining and Quarrying Refugee Shelter

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Nomadic Seasonal Location	3	No Information	Enumeration	Unitless	0	The season(s) in which a nomadic people are camped at a given location.
<i>allowed values:</i> Autumn Summer			No Information Winter			Other Spring
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			
Restriction Information : Security Attributes Group (resource non-intelligence community markings)				
allowed values:	No Information			
Restriction Information : Security Attributes Group (resource owner-producer)				
allowed values:	No Information			
Specified Domain Values(s)				
allowed values:	No Information			
Unique Entity Identifier				
allowed values:	No Information			
Width				

allowed values: -999999

Relationships: Camp (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Camp (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Camp (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Camp (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Camp (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Camp (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Camp (Area 00) - is a member of group - Exactly one - SettlementSrf (FeatureGroup 00)

Feature **Camp (Point 00)**New ☐ Camp**An encampment where tents and/or other easily moveable structures (for example: yurts) serve as full-time, temporary, or seasonal residences.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AI030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AI030						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Defence Activities No Information Residence			Forestry and/or Logging Other			Migrant Labour Petroleum and/or Gas Extraction Mining and Quarrying Refugee Shelter
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.

<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
Nomadic Seasonal Location	3	No Information	Enumeration	Unitless	0	The season(s) in which a nomadic people are camped at a given location.
<i>allowed values:</i> Autumn Summer						
<i>allowed values:</i> No Information						
<i>allowed values:</i> Other						
<i>allowed values:</i> Spring						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged						
<i>allowed values:</i> No Information						
<i>allowed values:</i> Unmaintained						
<i>allowed values:</i> Destroyed						
<i>allowed values:</i> Ruined						
<i>allowed values:</i> Dismantled						
<i>allowed values:</i> Site Preparation						
<i>allowed values:</i> Intact						
<i>allowed values:</i> Under Construction						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands)						
<i>allowed values:</i> Defence Acquisition and Logistics Organization (Denmark)						
<i>allowed values:</i> General Command of Mapping (Turkey)						
<i>allowed values:</i> Army Geographic Centre (Spain)						
<i>allowed values:</i> Defence Geographic Centre Intelligence Collection Group (United Kingdom)						
<i>allowed values:</i> Geographic Service (Belgium)						
<i>allowed values:</i> Army Geographic Institute (Portugal)						
<i>allowed values:</i> Defence Imagery and Geospatial Organisation (Australia)						
<i>allowed values:</i> Geographic Service of the Czech Armed Forces (Czech Republic)						
<i>allowed values:</i> Bundeswehr Geoinformation Office (Germany)						
<i>allowed values:</i> Defense Information Security (Italy)						
<i>allowed values:</i> Geospatial Intelligence Organisation (New Zealand)						
<i>allowed values:</i> Mapping Service (Hungary)						
<i>allowed values:</i> Military Mapping Centre (Lithuania)						
<i>allowed values:</i> No Information						
<i>allowed values:</i> Topographic Service (Finland)						
<i>allowed values:</i> U.S. Army Geospatial Center (AGC)						
<i>allowed values:</i> U.S. Defense Intelligence Agency (DIA)						
<i>allowed values:</i> U.S. European Command (USEUCOM)						
<i>allowed values:</i> U.S. Marine Corps						
<i>allowed values:</i> U.S. National Reconnaissance Office (NRO)						
<i>allowed values:</i> U.S. Pacific Command (PACOM)						
<i>allowed values:</i> U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Camp (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Camp (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Camp (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Camp (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Camp (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Camp (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Camp (Point 00) - is a member of group - Exactly one - SettlementPnt (FeatureGroup 00)

Feature CampSite (Area 00)New ☐ Camp-site**A designated place for recreational camping.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AK060	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AK060						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.

<i>allowed values:</i> <i>Damaged</i> No Information <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>			<i>Dismantled</i> <i>Site Preparation</i>	<i>Intact</i> <i>Under Construction</i>
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i> <i>U</i>							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
<i>allowed values:</i> No Information							
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
<i>allowed values:</i> No Information							
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
<i>allowed values:</i> No Information							
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999							

Relationships: CampSite (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 CampSite (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 CampSite (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 CampSite (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 CampSite (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 CampSite (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 CampSite (Area 00) - is a member of group - Exactly one - RecreationSrf (FeatureGroup 00)

Feature CampSite (Point 00)

 New ☐ Camp-site

A designated place for recreational camping.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AK060	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK060						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: CampSite (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
CampSite (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
CampSite (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
CampSite (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
CampSite (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
CampSite (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
CampSite (Point 00) - is a member of group - Exactly one - RecreationPnt (FeatureGroup 00)

Feature Canal (Area 00)

New ☐ Canal

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Inland Waterbody Bank (1) : Above Water Bank Slope (first bank)	1	-999999	REAL	Percent	0	The amount of upward inclination between the horizontal surface of the mean water level of a watercourse where it touches the bank and the top of the first usable break in slope, measured at the same point on the upper bank as the military gap width. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i> -999999						
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999						
Average Water Depth	1	[-999999,-999999]	Real_Interval	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999,-999999]						
Inland Waterbody Bank (1) : Bank Orientation (first bank)	1	No Information	Enumeration	Unitless	0	The relative orientation of a bank of an inland waterbody based on the direction of predominant water flow in the adjacent waterbody.
<i>allowed values:</i> Indeterminate			Left			No Flow
<i>allowed values:</i> Other			Right			No Information
<i>allowed values:</i> Indeterminate			Left			No Flow
<i>allowed values:</i> Other			Right			No Information
Inland Waterbody Bank (2) : Bottom Material Type (second bank)	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing the bottom of a body of water.
<i>allowed values:</i> Bedrock			Clay and Silt			Concrete
<i>allowed values:</i> Gravel and Cobble			Masonry			No Information
<i>allowed values:</i> Paved			Peat			Reinforced Concrete
<i>allowed values:</i> Sand			Sand and Gravel			Sand over Mud
<i>allowed values:</i> Slash			Soil			
<i>allowed values:</i> Bedrock			Clay and Silt			Concrete
<i>allowed values:</i> Gravel and Cobble			Masonry			No Information
<i>allowed values:</i> Paved			Peat			Reinforced Concrete
<i>allowed values:</i> Sand			Sand and Gravel			Sand over Mud
<i>allowed values:</i> Slash			Soil			
<i>allowed values:</i> Bedrock			Clay and Silt			Concrete
<i>allowed values:</i> Gravel and Cobble			Masonry			No Information
<i>allowed values:</i> Paved			Peat			Reinforced Concrete
<i>allowed values:</i> Sand			Sand and Gravel			Sand over Mud
<i>allowed values:</i> Slash			Soil			
New Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999						
New Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999						
Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.

<u>allowed values:</u> <i>False</i>		No Information		<i>True</i>		
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u>	Civilian National Public		International No Information State			Joint Military and Civilian Other Military Private
Covered Drain	1	No Information	Boolean	Unitless	0	An indication that a watercourse section is completely covered over and connects to uncovered watercourses at each end.
<u>allowed values:</u> <i>False</i>		No Information		<i>True</i>		
Covered Drain Length	1	-999999	Real	Metre	0	The length of a watercourse section that is completely covered over and connects to uncovered watercourses at each end.
<u>allowed values:</u> <i>-999999</i>						
New Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<u>allowed values:</u> <i>-999999</i>						
Deck Level	1	-999999	REAL	Unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value.
<u>allowed values:</u> <i>-999999</i>						
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<u>allowed values:</u> <i>-999999</i>						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a facility, as a whole.
<u>allowed values:</u>	No Information Partially Operational		Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	BH020	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> <i>BH020</i>						
Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> <i>No Information</i>						
Geographic Name Type	3	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u>	Conventional Other		Historical Transliterated Provisional			Native Transliterated Unverified Transliterated No Information Variant Transliterated
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> <i>-999999</i>						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> <i>-999999</i>						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<u>allowed values:</u>	Accurate		Approximate			Doubtful No Information
Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<u>allowed values:</u> <i>-999999</i>						
Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.

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<i>allowed values:</i> (0.5, 1.5] [-999999, -999999]			(1.5, 2.5] [-999999, -999999]			(2.5, INFINITY)	(-INFINITY, 0.5]
Predominant Minimum Water Depth	1	[-999999, -999999]	Real_Interval	Metre	0	The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.	
<i>allowed values:</i> (0.8, 1.6] [-999999, -999999]			(1.6, 2.4] [-999999, -999999]			(2.4, INFINITY)	(-INFINITY, 0.8]
Predominant Minimum Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second	0	The average minimum (seasonal low water) water velocity, exclusive of high water due to runoff or low water due to drought.	
<i>allowed values:</i> (1.5, 1.5] [-999999, -999999]			(1.5, 2.5] [-999999, -999999]			(2.5, INFINITY)	(-INFINITY, 0.5]
Predominant Water Depth	1	-999999	Real	Metre		The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.	
<i>allowed values:</i> -999999							
Inland Waterbody Bank (1) : Predominant Waterbody Bank Height (first bank)	1	[-999999, -999999]	REAL_Interval	Metre	0	The predominant height (the height of at least 50 percent) of the bank, measured from mean water level to the first break in slope above the mean water level.	
<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval	Greater-than Semi-interval Less-than Semi-interval
<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval	Greater-than Semi-interval Less-than Semi-interval
Inland Waterbody Bank (1) : Predominant Waterbody Bank Slope (first bank)	1	[-999999, -999999]	REAL_Interval	Percent	0	The predominant slope (the slope of at least 50 percent) of the bank, measured from mean water level to the first accessible break in slope above the mean water level. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.	
<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval	Greater-than Semi-interval Less-than Semi-interval
<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval	Greater-than Semi-interval Less-than Semi-interval
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).	
<i>allowed values:</i> Depressed Raised			Level			No Information	Not Applicable
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i> U							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	

allowed values:	Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)		Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)		Defense Information Security (Italy)
	General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)		Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)		Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)		Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)		National Army Topographic Service (Moldova)
	No Information			Other			Swedish Armed Forces (Sweden)		Topographic Institute (Slovakia)
	Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force		U.S. Army
	U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)		U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)		U.S. Department of State
	U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)		U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)		U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy		U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)		U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)								
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.		
allowed values: No Information									
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.		
allowed values: No Information									
Inland Waterbody Bank (2) : Shoreline Delineated (second bank)		1	No Information	Boolean	Unitless	0	An indication that the delineation of a shoreline is definite. [Description] The delineation of the shoreline along a beach is typically definite whereas along a mangrove swamp it is typically indefinite.		
allowed values: False				No Information			True		
allowed values: False				No Information			True		
Inland Waterbody Bank (1) : Shoreline Type (first bank)		1	No Information	Enumeration	Unitless	0	The physical characteristics of a shoreline.		
allowed values:									
	Building Rubble			Erosion Rubble			Ice		Mangrove
	Marshy			Mud			No Information		Other
	Sandy			Shingly			Stony		
allowed values:									
	Building Rubble			Erosion Rubble			Ice		Mangrove
	Marshy			Mud			No Information		Other
	Sandy			Shingly			Stony		
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.		
allowed values: No Information									
Water Resource Information : Sulfate Concentration		1	-999999	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.		
allowed values: -999999									
Supported by Bridge Span		1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.		
allowed values: False				No Information			True		
Water Resource Information : Temperature		1	-999999	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.		
allowed values: -999999									

	Terrain Gap Width	1	-999999	REAL	Metre	0	The minimum horizontal bridging distance necessary to cross a channel. [Description] The width is measured perpendicular to the direction of water flow from bank to bank, at the first usable break in slope on each side of the channel above mean high water. Usable banks are those accessible by vehicles; small unusable ledges and cliffs are not considered usable breaks in slopes.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<i>allowed values:</i> -999999						
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<i>allowed values:</i> No Information						
	Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
	<i>allowed values:</i> Above Surface			Below Ground Surface			No Information On Surface
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	0	The electrical conductivity of water.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Water Flow	1	-999999	Real	Litres per Minute	0	The rate of water flow through or exiting from a feature.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Water Flow Rate Category	1	No Information	Enumeration	Unitless	0	Value used to categorize streams, canals, rivers and other flowing water given the quantity of water flow. The categories correspond to specifications for water purification units in order to allow for quick identification of areas of water flow that are most suitable for placement of water purification equipment.
	<i>allowed values:</i> Large Small			Moderate			No Information Other
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<i>allowed values:</i> -999999						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
	<i>allowed values:</i> Contaminated Potable			No Information Treatable			Nonpotable Other
New	Water Resource Information : Water Pump Accessibility	1	No Information	Enumeration	Unitless		The approachable or easily entered side of a water source where portable equipment including pumps and pipes may be placed into the water source and used with nearby portable equipment. [Description] Provides an indication of whether it is possible access the water for the purpose of connecting portable water pumping equipment to temporary purification units. Accessibility must meet distance requirements in the transport of water: 100 m horizontal and 10 m vertical.
	<i>allowed values:</i> From All Sides From Right No Information			From East From South			From Left From West From North No Accessibility
New	Water Resource Information : Water Stage	1	No Information	Enumeration	Unitless	0	The flow stage of a stream or canal.
	<i>allowed values:</i> High Other			Low			Mean No Information

Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i>	Alkaline No Information		Brackish Other			Fresh Saline Mineral
New Water Resource Information : Water Use	3	No Information	Enumeration	Unitless		The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.
<i>allowed values:</i>	Agricultural Irrigation Institutional Other		Commercial Livestock Power Generation			Domestic Irrigation Municipal Recreational Industrial No Information Sanitary Domestic
Inland Waterbody Bank (2) : Waterbody Bank Height (second bank)	1	-999999	REAL	Metre	0	The height of the waterbody bank above the average water level.
<i>allowed values:</i>	-999999					
<i>allowed values:</i>	-999999					
Inland Waterbody Bank (2) : Waterbody Bank Vegetation Cover (second bank)	1	[-999999, -999999]	REAL_Interval	Percent	0	The fraction of vegetation cover on the bank of a watercourse.
<i>allowed values:</i>	[-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval		Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval
<i>allowed values:</i>	[-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval		Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i>	-999999					

Relationships: Canal (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Canal (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Canal (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Canal (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Canal (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Canal (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Canal (Area 00) - is a member of group - Exactly one - TransportationWaterSrf (FeatureGroup 00)
 Canal (Area 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature Canal (Line 00)

New ☐ Canal

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Inland Waterbody Bank (1) : Above Water Bank Slope (first bank)	1	-999999	REAL	Percent	0	The amount of upward inclination between the horizontal surface of the mean water level of a watercourse where it touches the bank and the top of the first usable break in slope, measured at the same point on the upper bank as the military gap width. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i>	-999999					
<i>allowed values:</i>	-999999					
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i>	-999999					

New	Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
	<i>allowed values:</i> -999999						
	Average Water Depth	1	[-999999,-999999]	Real Interval	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	<i>allowed values:</i> [-999999,-999999]						
	Inland Waterbody Bank (1) : Bank Orientation (first bank)	1	No Information	Enumeration	Unitless	0	The relative orientation of a bank of an inland waterbody based on the direction of predominant water flow in the adjacent waterbody.
	<i>allowed values:</i> Indeterminate Other			Left Right		No Flow	No Information
	<i>allowed values:</i> Indeterminate Other			Left Right		No Flow	No Information
	Bottom Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing the bottom of a body of water.
	<i>allowed values:</i> Bedrock Gravel and Cobble Paved Sand Slash			Clay and Silt Masonry Peat Sand and Gravel Soil		Concrete No Information Reinforced Concrete Sand over Mud	Coral Other Rocks and Boulders Silty Sands
	<i>allowed values:</i> Bedrock Gravel and Cobble Paved Sand Slash			Clay and Silt Masonry Peat Sand and Gravel Soil		Concrete No Information Reinforced Concrete Sand over Mud	Coral Other Rocks and Boulders Silty Sands
	<i>allowed values:</i> Bedrock Gravel and Cobble Paved Sand Slash			Clay and Silt Masonry Peat Sand and Gravel Soil		Concrete No Information Reinforced Concrete Sand over Mud	Coral Other Rocks and Boulders Silty Sands
New	Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<i>allowed values:</i> -999999						
	Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
	<i>allowed values:</i> False			No Information		True	
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian National Public			International No Information State		Joint Military and Civilian Other	Military Private
	Covered Drain	1	No Information	Boolean	Unitless	0	An indication that a watercourse section is completely covered over and connects to uncovered watercourses at each end.
	<i>allowed values:</i> False			No Information		True	
	Covered Drain Length	1	-999999	Real	Metre	0	The length of a watercourse section that is completely covered over and connects to uncovered watercourses at each end.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i> -999999						

Deck Level	1	-999999	REAL	Unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value.
<i>allowed values:</i> -999999						
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned	Not in Operation Temporarily Non-operational		Operational
New Feature Code	1	BH020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH020						
Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Geographic Name Type	3	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Other			Historical Transliterated Provisional	Native Transliterated Unverified Transliterated		No Information Variant Transliterated
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i> Accurate			Approximate	Doubtful		No Information
Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999						
Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i> Dry			Intermittent	No Information		Perennial
New Least Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<i>allowed values:</i> False			No Information	True		

New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<i>allowed values:</i> -999999						
New	Maximum Water Depth	1	-999999	Real	Metre		Maximum water depth the object was designed to hold.
	<i>allowed values:</i> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigability Information	1	No Information	Enumeration	Unitless	0	Information about the navigability of a body of water by ocean-going and/or large vessels. [Description] Navigability is not intended to include jet skis, motorboats or other recreational craft.
	<i>allowed values:</i> Navigable No Information			Navigable and Operational Not Navigable			Navigable but Abandoned Other Navigable with Periodic Restrictions
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
	Pedestrian Traversable	1	No Information	Boolean	Unitless	0	An indication that a feature is traversable on foot.
	<i>allowed values:</i> False			No Information			True
New	Water Resource Information : pH of Water	1	-999999	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<i>allowed values:</i> -999999						
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
	Predominant Average Water Velocity	1	[-999999,-999999]	Real_Interval	Metres per Second	0	The average water velocity, exclusive of high water due to runoff or low water due to drought.
	<i>allowed values:</i> (1.5, INFINITY)			(-INFINITY, 1.5]			[-999999, -999999] [-999999, -999999]
	Predominant Maximum Water Depth	1	[-999999,-999999]	Real_Interval	Metre	0	The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	<i>allowed values:</i> (1.6, 2.4]			(2.4, INFINITY)			(-INFINITY, 0.8] [-999999, -999999]
	Predominant Maximum Water Velocity	1	[-999999,-999999]	Real_Interval	Metres per Second	0	The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.
	<i>allowed values:</i> (0.5, 1.5] [-999999, -999999]			(1.5, 2.5] [-999999, -999999]			(2.5, INFINITY) (-INFINITY, 0.5]
	Predominant Minimum Water Depth	1	[-999999,-999999]	Real_Interval	Metre	0	The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	<i>allowed values:</i> (0.8, 1.6] [-999999, -999999]			(1.6, 2.4]			(2.4, INFINITY) (-INFINITY, 0.8]
	Predominant Minimum Water Velocity	1	[-999999,-999999]	Real_Interval	Metres per Second	0	The average minimum (seasonal low water) water velocity, exclusive of high water due to runoff or low water due to drought.
	<i>allowed values:</i> (1.5, 1.5] [-999999, -999999]			(1.5, 2.5] [-999999, -999999]			(2.5, INFINITY) (-INFINITY, 0.5]
	Predominant Water Depth	1	-999999	Real	Metre		The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	<i>allowed values:</i> -999999						

Inland Waterbody Bank (1) : Predominant Waterbody Bank Height (first bank)	1	[-999999, -999999]	REAL_Interval	Metre	0	The predominant height (the height of at least 50 percent) of the bank, measured from mean water level to the first break in slope above the mean water level.	
allowed values:	[-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval		Closed Interval Greater-than-or-equal to Less-than Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval		
allowed values:	[-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval		Closed Interval Greater-than-or-equal to Less-than Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval		
Inland Waterbody Bank (2) : Predominant Waterbody Bank Slope (second bank)	1	[-999999, -999999]	REAL_Interval	Percent	0	The predominant slope (the slope of at least 50 percent) of the bank, measured from mean water level to the first accessible break in slope above the mean water level. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.	
allowed values:	[-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval		Closed Interval Greater-than-or-equal to Less-than Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval		
allowed values:	[-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval		Closed Interval Greater-than-or-equal to Less-than Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval		
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).	
allowed values:	Depressed Raised		Level			No Information Not Applicable	
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
allowed values:	U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non- intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	No Information						
Restriction Information : Security Attributes Group (resource owner- producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	

<u>allowed values:</u> No Information						
Inland Waterbody Bank (1) : Shoreline Delineated (first bank)	1	No Information	Boolean	Unitless	0	An indication that the delineation of a shoreline is definite. [Description] The delineation of the shoreline along a beach is typically definite whereas along a mangrove swamp it is typically indefinite.
<u>allowed values:</u> False						
<u>allowed values:</u> False						
No Information						
True						
True						
Inland Waterbody Bank (2) : Shoreline Type (second bank)	1	No Information	Enumeration	Unitless	0	The physical characteristics of a shoreline.
<u>allowed values:</u> Building Rubble						
Marshy						
Sandy						
<u>allowed values:</u> Building Rubble						
Marshy						
Sandy						
Erosion Rubble						
Mud						
Shingly						
Erosion Rubble						
Mud						
Shingly						
Ice						
No Information						
Mangrove						
Other						
Ice						
No Information						
Mangrove						
Other						
Stony						
Stony						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<u>allowed values:</u> No Information						
New Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<u>allowed values:</u> -999999						
Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.
<u>allowed values:</u> False						
No Information						
True						
New Water Resource Information : Temperature	1	-999999	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<u>allowed values:</u> -999999						
Terrain Gap Width	1	-999999	REAL	Metre	0	The minimum horizontal bridging distance necessary to cross a channel. [Description] The width is measured perpendicular to the direction of water flow from bank to bank, at the first usable break in slope on each side of the channel above mean high water. Usable banks are those accessible by vehicles; small unusable ledges and cliffs are not considered usable breaks in slopes.
<u>allowed values:</u> -999999						
New Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<u>allowed values:</u> -999999						
New Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<u>allowed values:</u> -999999						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<u>allowed values:</u> No Information						
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<u>allowed values:</u> Above Surface						
Below Ground Surface						
No Information						
On Surface						
New Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	0	The electrical conductivity of water.
<u>allowed values:</u> -999999						
New Water Resource Information : Water Flow	1	-999999	Real	Litres per Minute	0	The rate of water flow through or exiting from a feature.

New	Water Resource Information : Water Flow Rate Category	1	No Information	Enumeration	Unitless	0	Value used to categorize streams, canals, rivers and other flowing water given the quantity of water flow. The categories correspond to specifications for water purification units in order to allow for quick identification of areas of water flow that are most suitable for placement of water purification equipment.
	<i>allowed values:</i> -999999						
	<i>allowed values:</i> Large Small			Moderate			No Information Other
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<i>allowed values:</i> -999999						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
	<i>allowed values:</i> Contaminated Potable			No Information Treatable			Nonpotable Other
New	Water Resource Information : Water Pump Accessibility	1	No Information	Enumeration	Unitless		The approachable or easily entered side of a water source where portable equipment including pumps and pipes may be placed into the water source and used with nearby portable equipment. [Description] Provides an indication of whether it is possible access the water for the purpose of connecting portable water pumping equipment to temporary purification units. Accessibility must meet distance requirements in the transport of water: 100 m horizontal and 10 m vertical.
	<i>allowed values:</i> From All Sides From Right No Information			From East From South			From Left From West From North No Accessibility
New	Water Resource Information : Water Stage	1	No Information	Enumeration	Unitless	0	The flow stage of a stream or canal.
	<i>allowed values:</i> High Other			Low			Mean No Information
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
	<i>allowed values:</i> Alkaline No Information			Brackish Other			Fresh Saline Mineral
New	Water Resource Information : Water Use	3	No Information	Enumeration	Unitless		The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.
	<i>allowed values:</i> Agricultural Irrigation Institutional Other			Commercial Livestock Power Generation			Domestic Irrigation Municipal Recreational Industrial No Information Sanitary Domestic
	Inland Waterbody Bank (2) : Waterbody Bank Height (second bank)	1	-999999	REAL	Metre	0	The height of the waterbody bank above the average water level.
	<i>allowed values:</i> -999999						
	<i>allowed values:</i> -999999						
	Inland Waterbody Bank (1) : Waterbody Bank Vegetation Cover (first bank)	1	[-999999, -999999]	REAL_Interval	Percent	0	The fraction of vegetation cover on the bank of a watercourse.
	<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval
	<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Canal (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Canal (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Canal (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Canal (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Canal (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Canal (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Canal (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Canal (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Canal (Line 00) - is a member of group - Exactly one - TransportationWaterCrv (FeatureGroup 00)

Feature Cane (Area 00)

New ☐ Cane

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999

New Feature Code	1	EC010	CONSTRAINED_STRING	Unitless	5	Feature Code
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allowed values: EC010

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

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
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allowed values: -999999

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999

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

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

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
allowed values: <i>U</i>							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) <i>No Information</i>		Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) <i>Other</i>		Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden)		Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia)
	Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps		U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP)		U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA)		U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		U.S. Navy U.S. Special Operations Command (USSOCOM)		U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values: <i>No Information</i>							
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values: <i>No Information</i>							
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values: <i>No Information</i>							
Undergrowth Density	1	[-999999, -999999]	REAL_Interval	Percent	0	The fraction of land within a defined area that is covered by undergrowth (for example: scrub, brush, and/or bush).	
allowed values: <i>[-999999, -999999]</i>							
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values: <i>No Information</i>							
Vegetation Trafficability Impact	1	[-999999, -999999]	Real_Interval	Percent		The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).	
allowed values: <i>[-999999, -999999]</i>							

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Cane (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Cane (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Cane (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Cane (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Cane (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Cane (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Cane (Area 00) - is a member of group - Exactly one - AgricultureSrf (FeatureGroup 00)
 Cane (Area 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Cane (Area 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature CantonmentArea (Area 00)

New ☒ Cantonment Area

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> International National Province			Joint Military and Civilian No Information Regional	Military Other State		Municipal Private Tribal
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned	Not in Operation Temporarily Non-operational		Operational
New Feature Code	1	SU004	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> SU004						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
U.S. National Oceanic and Atmospheric Administration						
U.S. Northern Command (USNORTHCOM)						
U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: CantonmentArea (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 CantonmentArea (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 CantonmentArea (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 CantonmentArea (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 CantonmentArea (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 CantonmentArea (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 CantonmentArea (Area 00) - is a member of group - Exactly one - MilitarySrf (FeatureGroup 00)

Feature CaravanPark (Area 00)

New ☐ Caravan Park

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
allowed values: No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AI020	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: AI020						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
allowed values: Convenience Store No Information Recreation			Food Service Other Residence			Grocery Petrol Sale Restaurant Laundry Place of Worship Restroom
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values: No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
allowed values: -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.

allowed values: -999999

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values: False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
allowed values: Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.

allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: CaravanPark (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 CaravanPark (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 CaravanPark (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 CaravanPark (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 CaravanPark (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 CaravanPark (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 CaravanPark (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 CaravanPark (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 CaravanPark (Area 00) - is a member of group - Exactly one - SettlementSrf (FeatureGroup 00)

Feature CartTrack (Line 00)New ☐ Cart Track

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999

Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
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allowed values: False

No Information

True

Deck Level	1	-999999	REAL	Unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value.
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allowed values: -999999

Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>

New

Feature Code	1	AP010	CONSTRAINED_STRING	Unitless	5	Feature Code
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allowed values: AP010

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

Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i>	Accurate		Approximate			Doubtful
						No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i>	-999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i>	No Information					
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i>	Damaged		Destroyed			Dismantled
	No Information		Ruined			Intact
	Unmaintained					Site Preparation
						Under Construction
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
<i>allowed values:</i>	Depressed		Level			No Information
	Raised					Not Applicable
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i>	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>	Army Geographic Agency (Netherlands)		Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
	Defence Acquisition and Logistics Organization (Denmark)		Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
	General Command of Mapping (Turkey)		Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
	Geospatial Intelligence Organisation (New Zealand)		Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
	Mapping Service (Hungary)		Military Geographic Group (Estonia)			Military Geographic Service (Norway)
	Military Mapping Centre (Lithuania)		Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
	No Information		Other			Swedish Armed Forces (Sweden)
	Topographic Service (Finland)		U.S. Africa Command (USAFRICOM)			U.S. Air Force
	U.S. Army Geospatial Center (AGC)		U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
	U.S. Defense Intelligence Agency (DIA)		U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
	U.S. European Command (USEUCOM)		U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
	U.S. Marine Corps		U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
	U.S. National Reconnaissance Office (NRO)		U.S. National Security Agency (NSA)			U.S. Navy
	U.S. Pacific Command (PACOM)		U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
	U.S. Transportation Command (USTRANSCOM)					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i>	No Information					

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<u>allowed values:</u> No Information						
Route Pavement Information : Road Weather Restriction	1	No Information	Enumeration	Unitless	0	The type of weather conditions under which a road is usable.
<u>allowed values:</u> All-weather No Information			Closed in Winter Other			Fair-weather Winter Only Limited All-weather
Route Pavement Information : Route Minimum Travelled Way Width	1	-999999	REAL	Metre	0	The minimum width of the travelled way of a route. [Description] Excludes pavements and shoulders.
<u>allowed values:</u> -999999						
Route Total Usable Width	1	-999999	REAL	Metre	0	The total usable width of the travelled way of a route. [Description] Includes pavements and shoulders.
<u>allowed values:</u> -999999						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<u>allowed values:</u> No Information						
Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.
<u>allowed values:</u> False			No Information			True
Through Route	1	No Information	Boolean	Unitless	0	An indication that a route (for example: a road) passes through (both into and out of) a place (for example: an urban area) without interruption. [Description] A through route may have devices (for example: a traffic light) to control traffic flow.
<u>allowed values:</u> False			No Information			True
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<u>allowed values:</u> Automotive Other			Bus Pipeline Maintenance			Caravan Route Portage No Information Power Line Maintenance
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<u>allowed values:</u> No Information						
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<u>allowed values:</u> Below Ground Surface			No Information			On Surface On Waterbody Bottom
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						

Relationships: CartTrack (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 CartTrack (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 CartTrack (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 CartTrack (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 CartTrack (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 CartTrack (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 CartTrack (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 CartTrack (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 CartTrack (Line 00) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup 00)

Feature Castle (Area 00)

New ☐ Castle

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National State			International No Information			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL375	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL375						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Administration Civil Activities Food Service Imprisonment Other Restaurant			Amusement Defence Activities Government Meeting Place Palace			Armory Education Headquarters Museum Place of Worship Banquet Hall Emergency Operations Hotel No Information Residence
Floor Count	1	-999999	REAL	Unitless	0	The number of floors in a structure (for example: a building).
<i>allowed values:</i> -999999						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The type of designated hazard protection shelter based on the kind of emergency. [Description] These shelters may be inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
<i>allowed values:</i> Bomb Shelter Storm Shelter			Fallout Shelter			No Information Other
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.

<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<u>allowed values:</u> Accurate			Approximate		Doubtful	
					No Information	
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
New Multi-unit Building	1	No Information	Boolean	Unitless	0	An indication that a building is divided into two or more distinct sets of rooms or other interior spaces that are internally fully-connected while being separated from each other and common areas by controlled access point(s) (for example: lockable doors) that enable physical privacy and security for its occupants.
<u>allowed values:</u> FALSE			No Information		TRUE	
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False			No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u> Damaged			Destroyed		Dismantled	
No Information			Ruined		Site Preparation	
Unmaintained					Intact	
					Under Construction	
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: Castle (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Castle (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Castle (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Castle (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Castle (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Castle (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Castle (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Castle (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Castle (Area 00) - is a member of group - Exactly one - MilitarySrf (FeatureGroup 00)

Feature Castle (Point 00)New ☐ Castle

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National State			International No Information			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL375	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL375						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Administration Civil Activities Food Service Imprisonment Other Restaurant			Amusement Defence Activities Government Meeting Place Palace			Armory Education Headquarters Museum Place of Worship Banquet Hall Emergency Operations Hotel No Information Residence
Floor Count	1	-999999	REAL	Unitless	0	The number of floors in a structure (for example: a building).
<i>allowed values:</i> -999999						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.

<u>allowed values:</u> No Information						
New Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The type of designated hazard protection shelter based on the kind of emergency. [Description] These shelters may be inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
<u>allowed values:</u> Bomb Shelter Storm Shelter						
Fallout Shelter						
No Information						
Other						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<u>allowed values:</u> Accurate						
Approximate						
Doubtful						
No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
New Multi-unit Building	1	No Information	Boolean	Unitless	0	An indication that a building is divided into two or more distinct sets of rooms or other interior spaces that are internally fully-connected while being separated from each other and common areas by controlled access point(s) (for example: lockable doors) that enable physical privacy and security for its occupants.
<u>allowed values:</u> FALSE						
No Information						
TRUE						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False						
No Information						
True						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u> Damaged						
No Information						
Destroyed						
Ruined						
Dismantled						
Site Preparation						
Intact						
Under Construction						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: Castle (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Castle (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Castle (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Castle (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Castle (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Castle (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Castle (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Castle (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Castle (Point 00) - is a member of group - Exactly one - MilitaryPnt (FeatureGroup 00)

Feature CastleComplex (Area 00) New ☐ Castle Complex

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public International No Information State Joint Military and Civilian Other Military Private						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational						
New Feature Code	1	AL376	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL376						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Administration Civil Activities Food Service Imprisonment Other Restaurant Amusement Defence Activities Government Meeting Place Palace Armory Education Headquarters Museum Place of Worship Banquet Hall Emergency Operations Hotel No Information Residence						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
U.S. Northern Command (USNORTHCOM)						
U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.

allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values: -999999						
Wireless Telecommunication Information : Wireless Telecommunication Type	1	No Information	Enumeration	Unitless	0	The type of a wireless telecommunication service based on the mechanism(s) of transmission and/or the nature of the communication(s) supported. [Description] For example, radio broadcast or mobile phone service.
allowed values: Cellular Phone Other Television (TV)						
Microwave Radio Relay Radio Broadcast						
Mobile Phone Radio Telephone						
No Information Radio-telegraph						

Relationships: CastleComplex (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 CastleComplex (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 CastleComplex (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 CastleComplex (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 CastleComplex (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 CastleComplex (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 CastleComplex (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 CastleComplex (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 CastleComplex (Area 00) - is a member of group - Exactly one - MilitarySrf (FeatureGroup 00)

Feature CastleComplex (Point 00)

New ☐ Castle Complex

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
allowed values: No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999

Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i>	Civilian National Public		International No Information State			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i>	No Information Partially Operational		Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL376	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i>	AL376					
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i>	Administration Civil Activities Food Service Imprisonment Other Restaurant		Amusement Defence Activities Government Meeting Place Palace			Armory Education Headquarters Museum Place of Worship Banquet Hall Emergency Operations Hotel No Information Residence
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i>	No Information					
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i>	-999999					
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i>	-999999					
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i>	-999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i>	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i>	False		No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.

<i>allowed values:</i> <i>Damaged</i> No Information <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>			<i>Dismantled</i> <i>Site Preparation</i>	<i>Intact</i> <i>Under Construction</i>
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i> <i>U</i>							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
<i>allowed values:</i> No Information							
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
<i>allowed values:</i> No Information							
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
<i>allowed values:</i> No Information							
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999							

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

Relationships: CastleComplex (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 CastleComplex (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 CastleComplex (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 CastleComplex (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 CastleComplex (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 CastleComplex (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 CastleComplex (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 CastleComplex (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 CastleComplex (Point 00) - is a member of group - Exactly one - MilitaryPnt (FeatureGroup 00)

Feature CatalyticCracker (Area 00) New ☐ Catalytic Cracker

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
allowed values:	<i>False</i>		No Information			<i>True</i>
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values:	<i>-999999</i>					
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values:	No Information		Non-operational			Not in Operation
	<i>Partially Operational</i>		Planned			Temporarily Non-operational
<i>New</i> Feature Code	1	AC020	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values:	<i>AC020</i>					
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values:	No Information					
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
allowed values:	<i>-999999</i>					
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
allowed values:	<i>-999999</i>					
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False No Information True						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u> Damaged Destroyed Dismantled Intact No Information Ruined Site Preparation Under Construction Unmaintained						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u> Army Geographic Agency (Netherlands) Army Geographic Centre (Spain) Army Geographic Institute (Portugal) Bundeswehr Geoinformation Office (Germany) Defence Acquisition and Logistics Organization (Denmark) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Defence Imagery and Geospatial Organisation (Australia) Defense Information Security (Italy) General Command of Mapping (Turkey) Geographic Service (Belgium) Geographic Service of the Czech Armed Forces (Czech Republic) Geospatial Information Agency (Latvia) Geospatial Intelligence Organisation (New Zealand) Hellenic Military Geographic Service (Greece) Joint Geography Bureau (France) Mapping and Charting Establishment (Canada) Mapping Service (Hungary) Military Geographic Group (Estonia) Military Geographic Service (Norway) Military Geography Division (Poland) Military Mapping Centre (Lithuania) Military Topographic Directorate (Romania) Military Topographic Service (Bulgaria) National Army Topographic Service (Moldova) No Information Other Swedish Armed Forces (Sweden) Topographic Institute (Slovakia) Topographic Service (Finland) U.S. Africa Command (USAFRICOM) U.S. Air Force U.S. Army U.S. Army Geospatial Center (AGC) U.S. Central Command (USCENTCOM) U.S. Central Intelligence Agency (CIA) U.S. Coast Guard U.S. Defense Intelligence Agency (DIA) U.S. Department of Energy (DOE) U.S. Department of Homeland Security (DHS) U.S. Department of State U.S. European Command (USEUCOM) U.S. Federal Bureau of Investigation (FBI) U.S. Geological Survey (USGS) U.S. Joint Forces Command (USJFCOM) U.S. Marine Corps U.S. National Civil Applications Program (NCAP) U.S. National Geospatial-Intelligence Agency (NGA) U.S. National Oceanic and Atmospheric Administration U.S. National Reconnaissance Office (NRO) U.S. National Security Agency (NSA) U.S. Navy U.S. Northern Command (USNORTHCOM) U.S. Pacific Command (PACOM) U.S. Southern Command (USSOUTHCOM) U.S. Special Operations Command (USSOCOM) U.S. Strategic Command (USSTRATCOM) U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<u>allowed values:</u> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<u>allowed values:</u> No Information						

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Brick Metal Reinforced Concrete			Concrete No Information Steel	Iron Other	Masonry Prestressed Concrete	
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: CatalyticCracker (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 CatalyticCracker (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 CatalyticCracker (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 CatalyticCracker (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 CatalyticCracker (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 CatalyticCracker (Area 00) - is a member of group - Exactly one - IndustrySrf (FeatureGroup 00)

Feature CatalyticCracker (Point 00) New ☐ Catalytic Cracker

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

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned	Not in Operation Temporarily Non-operational		Operational
New Feature Code	1	AC020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AC020						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.

<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
			No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained						
			Destroyed Ruined		Dismantled Site Preparation	
					Intact Under Construction	
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)		Army Geographic Institute (Portugal)	
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)		Defence Imagery and Geospatial Organisation (Australia)	
General Command of Mapping (Turkey)			Geographic Service (Belgium)		Geographic Service of the Czech Armed Forces (Czech Republic)	
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)		Joint Geography Bureau (France)	
Mapping Service (Hungary)			Military Geographic Group (Estonia)		Military Geographic Service (Norway)	
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)		Military Topographic Service (Bulgaria)	
No Information			Other		Swedish Armed Forces (Sweden)	
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)		U.S. Air Force	
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)		U.S. Central Intelligence Agency (CIA)	
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)		U.S. Department of Homeland Security (DHS)	
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)		U.S. Geological Survey (USGS)	
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)		U.S. National Geospatial-Intelligence Agency (NGA)	
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)		U.S. Navy	
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)		U.S. Special Operations Command (USSOCOM)	
U.S. Transportation Command (USTRANSCOM)					Bundeswehr Geoinformation Office (Germany)	
					Defense Information Security (Italy)	
					Geospatial Information Agency (Latvia)	
					Mapping and Charting Establishment (Canada)	
					Military Geography Division (Poland)	
					National Army Topographic Service (Moldova)	
					Topographic Institute (Slovakia)	
					U.S. Army	
					U.S. Coast Guard	
					U.S. Department of State	
					U.S. Joint Forces Command (USJFCOM)	
					U.S. National Oceanic and Atmospheric Administration	
					U.S. Northern Command (USNORTHCOM)	
					U.S. Strategic Command (USSTRATCOM)	

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Brick Metal Reinforced Concrete			Concrete No Information Steel			Iron Other Masonry Prestressed Concrete
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: CatalyticCracker (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 CatalyticCracker (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 CatalyticCracker (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 CatalyticCracker (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 CatalyticCracker (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 CatalyticCracker (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 CatalyticCracker (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 CatalyticCracker (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 CatalyticCracker (Point 00) - is a member of group - Exactly one - IndustryPnt (FeatureGroup 00)

Feature CausewayStructure (Area 00)New ☐ Causeway Structure

A solid raised way across a terrain obstacle (for example: a wetland or a body of shallow water) that is intended to support a transportation route (for example: a road or a railway). [Description] The causeway structure is often constructed from local fill supplemented by other materials (for example: rocks, boulders or gravel) and consists of a solid linear structure in the configuration of an embankment. Causeway structures are built just high enough to insure that the transportation route will remain passable during periods of flooding, tides and seasonal rainfall. Culverts may occur along the length of the causeway structure and individual sections of the causeway structure may be interrupted by bridges.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
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Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AQ063	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ063						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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CausewayStructure (Area 00)

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps	Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP)	U.S. Navy U.S. Special Operations Command (USSOCOM)				
U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
allowed values:	Boulders Mud Rubble		Gravel No Information Sand		Lava Other Soil	Loess Rock
Surface Slope	1	[-999999, -999999]	REAL_Interval	Percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
allowed values:	[-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval		Closed Interval Greater-than-or-equal to Less-than Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval	Greater-than Semi-interval Less-than Semi-interval
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
allowed values:	Aqueduct Railway		No Information Road		Other	Pedestrian
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.

allowed values:	Always Dry Other		Always Submerged			Covers and Uncovers	No Information
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	

allowed values: -999999

Relationships: CausewayStructure (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
CausewayStructure (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
CausewayStructure (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
CausewayStructure (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
CausewayStructure (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
CausewayStructure (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
CausewayStructure (Area 00) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup 00)

Feature CausewayStructure (Line 00) New ☐ Causeway Structure

A solid raised way across a terrain obstacle (for example: a wetland or a body of shallow water) that is intended to support a transportation route (for example: a road or a railway). [Description] The causeway structure is often constructed from local fill supplemented by other materials (for example: rocks, boulders or gravel) and consists of a solid linear structure in the configuration of an embankment. Causeway structures are built just high enough to insure that the transportation route will remain passable during periods of flooding, tides and seasonal rainfall. Culverts may occur along the length of the causeway structure and individual sections of the causeway structure may be interrupted by bridges.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ063	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: AQ063						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values: No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
allowed values: -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
allowed values: -999999						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u>	-999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u>	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u>	False					No Information
New Physical Condition	1	No Information	Enumeration	Unitless		True
<u>allowed values:</u>	Damaged					Destroyed
	No Information					Dismantled
	Unmaintained					Intact
						Site Preparation
						Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u>	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)					Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)
						Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)
						Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u>	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.

allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
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allowed values: Boulders
Mud
RubbleGravel
No Information
SandLava
Other
SoilLoess
Rock

Surface Slope	1	[-999999, -999999]	REAL_Interval	Percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
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allowed values: [-999999, -999999]
Greater-than to Less-than-or-equal Interval
Open IntervalClosed Interval
Greater-than-or-equal to Less-than IntervalGreater-than or Equal Semi-interval
Less-than or Equal Semi-intervalGreater-than Semi-interval
Less-than Semi-interval

Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
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allowed values: Aqueduct
RailwayNo Information
Road

Other

Pedestrian

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.
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allowed values: Always Dry
Other

Always Submerged

Covers and Uncovers

No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: CausewayStructure (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
CausewayStructure (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
CausewayStructure (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
CausewayStructure (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
CausewayStructure (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
CausewayStructure (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
CausewayStructure (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
CausewayStructure (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
CausewayStructure (Line 00) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup 00)

Feature CaveChamber (Area 00)

New ☐ Cave Chamber

An interconnected series of naturally occurring subterranean chambers. [Description] Typically located in limestone, and often open to the Earth's surface either vertically or horizontally. Alterations may have been made to the cave chamber.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational						
			Non-operational Planned			Not in Operation Temporarily Non-operational
New Feature Code	1	DB028	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> DB028						
New Least Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained						
			Destroyed Ruined			Dismantled Site Preparation
						Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)						
			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)			Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)
						Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: CaveChamber (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 CaveChamber (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 CaveChamber (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 CaveChamber (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 CaveChamber (Area 00) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup 00)
 CaveChamber (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 CaveChamber (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature CaveMouth (Point 00)

New ☐ Cave Mouth

The entrance to an interconnected series of naturally occurring subterranean chambers. [Description] Typically located in limestone, and often open to the Earth's surface either vertically or horizontally. Alterations may have been made to the cave mouth.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Cave Information : Cave Type	1	No Information	Enumeration	Unitless	0	The type of a cave based on how it was formed.
<i>allowed values:</i> Aeolian No Information Waterbody			Erosional Other			Glacier Solution Lava Talus
New Feature Code	1	DB029	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> DB029						
Cave Information : Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Defence Activities Residence			No Information Warehousing and Storage			Other Religious Activities
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
allowed values: -999999							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
allowed values: No Information							
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
allowed values: No Information							
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
allowed values: False			No Information			True	
Overhead Clearance	1	-999999	REAL	Metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.	
allowed values: -999999							
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
allowed values: U							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:							
		Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values: No Information							
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values: No Information							

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Cave Information : Underground Access Orientation	1	No Information	Enumeration	Unitless	0	The ground slope at the point of access for an underground feature (for example: a cave, tunnel or underground extraction mine) as a category.
<i>allowed values:</i> Horizontal Vertical Down No Information Vertical Up Slopes Downward Slopes Upward						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: CaveMouth (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 CaveMouth (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 CaveMouth (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 CaveMouth (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 CaveMouth (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 CaveMouth (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 CaveMouth (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 CaveMouth (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 CaveMouth (Point 00) - is a member of group - Exactly one - PhysiographyPnt (FeatureGroup 00)

Feature Cemetery (Area 00)New ☐ Cemetery**A site and associated structures devoted to the burial of the dead.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational						
New Feature Code	1	AL030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL030						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Isolated	1	No Information	Boolean	Unitless	0	An indication that a feature (for example: a structure) is in the open by itself, isolated from other features of a similar type, and thus is visually distinct from surrounding features when viewed from a distance.
<i>allowed values:</i> FALSE		No Information			TRUE	
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False		No Information			True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained		Destroyed Ruined			Dismantled Site Preparation	Intact Under Construction
Religious Information : Religious Designation	1	No Information	Enumeration	Unitless	0	A designation denoting a religion or system of belief.
<i>allowed values:</i> Buddhism Islam Orthodox Shia		Chaldean Judaism Other Shinto			Christian Nestorian Protestant Sunni	Hinduism No Information Roman Catholic
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Cemetery (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Cemetery (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Cemetery (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Cemetery (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Cemetery (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Cemetery (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Cemetery (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Cemetery (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Cemetery (Area 00) - is a member of group - Exactly one - CultureSrf (FeatureGroup 00)

Feature Cemetery (Point 00)

New ☐ Cemetery

A site and associated structures devoted to the burial of the dead.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL030						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Isolated	1	No Information	Boolean	Unitless	0	An indication that a feature (for example: a structure) is in the open by itself, isolated from other features of a similar type, and thus is visually distinct from surrounding features when viewed from a distance.
<i>allowed values:</i> FALSE			No Information			TRUE
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.

allowed values:	<i>Damaged</i> No Information <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>		<i>Dismantled</i> <i>Site Preparation</i>	<i>Intact</i> <i>Under Construction</i>
Religious Information : Religious Designation	1	No Information	Enumeration	Unitless	0	A designation denoting a religion or system of belief.	
allowed values:	Buddhism Islam Orthodox Shia		Chaldean Judaism <i>Other</i> Shinto			Christian Nestorian Protestant Sunni	Hinduism <i>No Information</i> Roman Catholic
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
allowed values:	<i>U</i>						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) <i>No Information</i> Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) <i>Other</i> U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)			Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	<i>No Information</i>						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	<i>No Information</i>						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:	<i>No Information</i>						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values:	<i>No Information</i>						

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Cemetery (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Cemetery (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Cemetery (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Cemetery (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Cemetery (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Cemetery (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Cemetery (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Cemetery (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Cemetery (Point 00) - is a member of group - Exactly one - CulturePnt (FeatureGroup 00)

Feature Checkpoint (Point 00)

New ☐ Checkpoint

A location to control passage and/or to register, declare and/or inspect goods, vehicles and/or people.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AH070	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> AH070						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Customs Checkpoint Other Security Services			Immigration Control Public Order			Inspection Public Order, Safety and Security Services No Information Security Enforcement
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						

	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<i>allowed values:</i> U						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
	<i>allowed values:</i> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
	<i>allowed values:</i> No Information						
	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
	<i>allowed values:</i> No Information						
	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
	<i>allowed values:</i> No Information						
	Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
	<i>allowed values:</i> Aeronautical No Information Railway		Automotive No Transportation System Road			Bus Other Truck	Maritime Pedestrian Underground Railway
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Checkpoint (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Checkpoint (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Checkpoint (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Checkpoint (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Checkpoint (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Checkpoint (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Checkpoint (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Checkpoint (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Checkpoint (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)

Feature Cistern (Point 00)New ☐ Cistern**A man-made container used for the collection and/or storage of water.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<u>allowed values:</u> -999999						
New Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<u>allowed values:</u> -999999						
New Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<u>allowed values:</u> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u>			Civilian National Public	International No Information State	Joint Military and Civilian Other	Military Private
New Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN ⁻ . These are powerful poisons that are toxic to humans and aquatic life.
<u>allowed values:</u> -999999						
New Water Resource Information : Device Power Type	1	No Information	Enumeration	Unitless	0	The method by the device is powered, if any.
<u>allowed values:</u>			Compressed Air No Information	Electricity Other	Gravity Petroleum Product	Manual Steam
New Water Resource Information : Device Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the device and the underlying ground (terrain), liquid or waterbody bottom.

<i>allowed values:</i> Above Surface On Waterbody Bottom							Below Ground Surface Other	No Information Submerged	On Surface
Facility Operational Status	1	No Information	Enumeration	Unitless			The status of operation of a facility, as a whole.		
<i>allowed values:</i> No Information Partially Operational							Non-operational Planned	Not in Operation Temporarily Non-operational	Operational
New Feature Code	1	BI010	CONSTRAINED_ STRING	Unitless	5		Feature Code		
<i>allowed values:</i> BI010									
Geographic Name Information : Full Name	2	No Information	String	Unitless	200		A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.		
<i>allowed values:</i> No Information									
Geographic Name Type	2	No Information	Enumeration	Unitless			The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.		
<i>allowed values:</i> Conventional Other							Historical Transliterated Provisional	Native Transliterated Unverified Transliterated	No Information Variant Transliterated
Height Above Surface Level	1	-999999	REAL	Metre	0		The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.		
<i>allowed values:</i> -999999									
Highest Elevation	1	-999999	REAL	Metre	0		The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.		
<i>allowed values:</i> -999999									
Hydrologic Persistence	1	No Information	Enumeration	Unitless			The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.		
<i>allowed values:</i> Dry Perennial							Ephemeral	Intermittent	No Information
Isolated	1	No Information	Boolean	Unitless	0		An indication that a feature (for example: a structure) is in the open by itself, isolated from other features of a similar type, and thus is visually distinct from surrounding features when viewed from a distance.		
<i>allowed values:</i> FALSE							No Information	TRUE	
Length	1	-999999	REAL	Metre	0		The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.		
<i>allowed values:</i> -999999									
Located Underground	1	No Information	Boolean	Unitless	0		The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.		
<i>allowed values:</i> False							No Information	True	
New Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre	0		The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.		
<i>allowed values:</i> -999999									
Note : Memorandum	1	No Information	String	Unitless	2E+09		A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.		
<i>allowed values:</i> No Information									
Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18		The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.		
<i>allowed values:</i> No Information									

	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
New	Water Resource Information : pH of Water	1	-999999	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<i>allowed values:</i> <i>-999999</i>						
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<i>allowed values:</i> <i>Damaged</i> <i>No Information</i> <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>			<i>Dismantled</i> <i>Site Preparation</i> <i>Intact</i> <i>Under Construction</i>
New	Water Resource Information : Pump Type	1	No Information	Enumeration	Unitless	0	The type of pump used to move liquid or semi-liquid material from one location to another.
	<i>allowed values:</i> <i>Airlift</i> <i>No Information</i> <i>Turbine</i>			<i>Centrifugal</i> <i>Other</i> <i>Vacuum</i>			<i>Gravity</i> <i>Reciprocating</i> <i>Jet</i> <i>Rotary</i>
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<i>allowed values:</i> <i>U</i>						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
	<i>allowed values:</i> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) <i>No Information</i> Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) <i>Other</i> U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
	<i>allowed values:</i> <i>No Information</i>						
	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
	<i>allowed values:</i> <i>No Information</i>						
	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.

<i>allowed values:</i> No Information							
New	Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999							
New	Water Resource Information : Temperature	1	-999999	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999							
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999							
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999							
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information							
	Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Brick Metal Reinforced Concrete				Concrete No Information Steel	Iron Other Stone	Masonry Prestressed Concrete	
	Volume	1	-999999	Real	Cubic Metre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
<i>allowed values:</i> -999999							
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	0	The electrical conductivity of water.
<i>allowed values:</i> -999999							
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
<i>allowed values:</i> -999999							
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless		The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable				No Information Treatable	Nonpotable	Other	
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Other				Brackish Saline	Fresh	No Information	
New	Water Resource Information : Water Use	3	No Information	Enumeration	Unitless		The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional Other				Commercial Livestock Power Generation	Domestic Irrigation Municipal Sanitary Domestic	Industrial No Information	

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Cistern (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Cistern (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Cistern (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Cistern (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Cistern (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Cistern (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Cistern (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Cistern (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Cistern (Point 00) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup 00)

Feature ClearedWay (Area 00)

New ☐ Cleared Way

A man-made cleared strip through a vegetated region. [Description] May be designed to: provide access for a road, railroad, pipeline, power transmission line, or electrical signal line; demarcate a boundary; obtain survey line-of-sight; or to impede the progress of forest fires (a firebreak).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999

New Feature Code	1	EC040	CONSTRAINED_STRING	Unitless	5	Feature Code
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allowed values: EC040

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

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999

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

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

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
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allowed values: U

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
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allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)	
U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration	
U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)	
U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)	
U.S. Transportation Command (USTRANSCOM)				
Restriction Information : Security Attributes Group (resource non-intelligence community markings)				
allowed values:	No Information			
Restriction Information : Security Attributes Group (resource owner-producer)				
allowed values:	No Information			
Specified Domain Values(s)				
allowed values:	No Information			
Unique Entity Identifier				
allowed values:	No Information			
Vegetation Trafficability Impact				
allowed values:	[-999999, -999999]			
Width				

allowed values: -999999

Relationships: ClearedWay (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 ClearedWay (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 ClearedWay (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 ClearedWay (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 ClearedWay (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 ClearedWay (Area 00) - is a member of group - Exactly one - VegetationSrf (FeatureGroup 00)
 ClearedWay (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature ClearedWay (Line 00)

New ☐ Cleared Way

A man-made cleared strip through a vegetated region. [Description] May be designed to: provide access for a road, railroad, pipeline, power transmission line, or electrical signal line; demarcate a boundary; obtain survey line-of-sight; or to impede the progress of forest fires (a firebreak).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	EC040	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> EC040						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
						Bundeswehr Geoinformation Office (Germany)
						Defense Information Security (Italy)
						Geospatial Information Agency (Latvia)
						Mapping and Charting Establishment (Canada)
						Military Geography Division (Poland)
						National Army Topographic Service (Moldova)
						Topographic Institute (Slovakia)
						U.S. Army
						U.S. Coast Guard
						U.S. Department of State
						U.S. Joint Forces Command (USJFCOM)
						U.S. National Oceanic and Atmospheric Administration
						U.S. Northern Command (USNORTHCOM)
						U.S. Strategic Command (USSTRATCOM)

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vegetation Trafficability Impact	1	[-999999, -999999]	Real_Interval	Percent		The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
<i>allowed values:</i> [-999999, -999999]						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						

Relationships: ClearedWay (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 ClearedWay (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 ClearedWay (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 ClearedWay (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 ClearedWay (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 ClearedWay (Line 00) - is a member of group - Exactly one - VegetationCrv (FeatureGroup 00)
 ClearedWay (Line 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
 ClearedWay (Line 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature ConservationArea (Area 00)

New ☐ Conservation Area

An area of land and/or sea especially dedicated to the protection and maintenance of biological diversity, and of natural and associated cultural resources, and managed through legal or other effective means. [Description] As determined, for example, by the International Union for Conservation of Nature and Natural Resources (IUCN).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Conservation Area Management Category	1	No Information	Enumeration	Unitless	0	The category of a protected area based on level of protection and the enabling laws of the controlling entity (for example: State) or rules of international organization (for example: as determined by the International Union for Conservation of Nature and Natural Resources (IUCN)).

allowed values:	Breeding Ground Managed Resource Protected Area Other Wilderness Area			Habitat and/or Species Management Area National Park Protected Landscape or Seascape			Habitat Management Area Natural Monument Species Management Area	Managed Forest Protected Area No Information Strict Nature Reserve
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).		
allowed values:	Civilian National Public		International No Information State			Joint Military and Civilian Other		Military Private
New Feature Code	1	FA210	CONSTRAINED_ STRING	Unitless	5	Feature Code		
allowed values:	FA210							
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.		
allowed values:	No Information							
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.		
allowed values:	-999999							
Location Referenced to Shoreline	1	No Information	Enumeration	Unitless	0	The location of an object in relation to a land water boundary.		
allowed values:	At Shoreline		Inland			No Information		Offshore
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.		
allowed values:	No Information							
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.		
allowed values:	No Information							
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.		
allowed values:	U							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.		

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			
Restriction Information : Security Attributes Group (resource non-intelligence community markings)				
allowed values:	No Information			
Restriction Information : Security Attributes Group (resource owner-producer)				
allowed values:	No Information			
Specified Domain Values(s)				
allowed values:	No Information			
Unique Entity Identifier				
allowed values:	No Information			
Width				

allowed values: -999999

Relationships:

- ConservationArea (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
- ConservationArea (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
- ConservationArea (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
- ConservationArea (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
- ConservationArea (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
- ConservationArea (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
- ConservationArea (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
- ConservationArea (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
- ConservationArea (Area 00) - is a member of group - Exactly one - CultureSrf (FeatureGroup 00)

Feature ContaminatedRegion (Area 00)

New ☐ Contaminated Region

A region whose prevailing natural conditions have been degraded through contamination by harmful or objectionable substances. [Description] The contamination may be either naturally occurring or the result of human activity. For example, polluted by sewage or toxic chemicals, obscured by smoke or ash from volcanic eruptions, or contaminated by exposure to Chemical, Biological, Radiological, and/or Nuclear (CBRN) agents.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Contaminant Source	1	No Information	Enumeration	Unitless	0	The source(s) of contaminants present in a region.
<u>allowed values:</u> Dredging Naturally Occurring Spoil			Factories No Information Wrecks			Farm Run-off Other Military Operations Sewers
New Feature Code	1	FA012	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> FA012						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Military Environmental Hazard Category	1	No Information	Enumeration	Unitless	0	The category(ies) of environmental hazards present in a region that affect military operations.
<u>allowed values:</u> Biological Other			Chemical Thermal			No Information Nuclear and/or Radiological
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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ContaminatedRegion (Area 00)

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

- Relationships:** ContaminatedRegion (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 ContaminatedRegion (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 ContaminatedRegion (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 ContaminatedRegion (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 ContaminatedRegion (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 ContaminatedRegion (Area 00) - is a member of group - Exactly one - CultureSrf (FeatureGroup 00)

Feature ContaminatedRegion (Point 00)

New ☐ Contaminated Region

A region whose prevailing natural conditions have been degraded through contamination by harmful or objectionable substances. [Description] The contamination may be either naturally occurring or the result of human activity. For example, polluted by sewage or toxic chemicals, obscured by smoke or ash from volcanic eruptions, or contaminated by exposure to Chemical, Biological, Radiological, and/or Nuclear (CBRN) agents.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Contaminant Source	1	No Information	Enumeration	Unitless	0	The source(s) of contaminants present in a region.
<u>allowed values:</u> Dredging Naturally Occurring Spoil			Factories No Information Wrecks			Farm Run-off Other Military Operations Sewers
New Feature Code	1	FA012	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> FA012						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Military Environmental Hazard Category	1	No Information	Enumeration	Unitless	0	The category(ies) of environmental hazards present in a region that affect military operations.
<u>allowed values:</u> Biological Other			Chemical Thermal			No Information Nuclear and/or Radiological
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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ContaminatedRegion (Point 00)

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
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Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: ContaminatedRegion (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 ContaminatedRegion (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 ContaminatedRegion (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 ContaminatedRegion (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 ContaminatedRegion (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 ContaminatedRegion (Point 00) - is a member of group - Exactly one - CulturePnt (FeatureGroup 00)

Feature ControlPoint (Point 00)

New ☐ Control Point

A terrain object (for example: a marker) with a known location (for example: horizontal position, elevation, or both) intended to serve as a survey control. [Description] Usually of a lower order of positional accuracy than a Geodetic Point but of sufficient accuracy for local surveying.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Base Elevation	1	-999999	REAL	Metre	0	The vertical distance from a specified vertical datum to the terrain surface of or at the base of the feature. [Description] If the feature is not supported above the surface by another feature then the base of the feature is usually located at ground or water level on the downhill/downstream side. For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). In the case of a survey marker (monument) this is usually the elevation assigned to the marker (monument).
<i>allowed values:</i> -999999						
New Feature Code	1	ZB035	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> ZB035						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless	0	The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Under Construction			Destroyed Other Unmaintained			Dismantled Ruined Intact Site Preparation
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						Bundeswehr Geoinformation Office (Germany)
						Defense Information Security (Italy)
						Geospatial Information Agency (Latvia)
						Mapping and Charting Establishment (Canada)
						Military Geography Division (Poland)
						National Army Topographic Service (Moldova)
						Topographic Institute (Slovakia)
						U.S. Army
						U.S. Coast Guard
						U.S. Department of State
						U.S. Joint Forces Command (USJFCOM)
						U.S. National Oceanic and Atmospheric Administration
						U.S. Northern Command (USNORTHCOM)
						U.S. Strategic Command (USSTRATCOM)

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Survey Control Point Type	1	No Information	Enumeration	Unitless	0	The type of a control point established by surveying methods based on method of establishment and/or intended use.
<i>allowed values:</i> Astronomic Position No Information			Benchmark Vertical Position			Horizontal Position Horizontal Position and Benchmark
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						

Relationships: ControlPoint (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
ControlPoint (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
ControlPoint (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
ControlPoint (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
ControlPoint (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
ControlPoint (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
ControlPoint (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
ControlPoint (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
ControlPoint (Point 00) - is a member of group - Exactly one - HypsographyPnt (FeatureGroup 00)

Feature ControlTower (Area 00)

New ☐ Control Tower

A structure that houses personnel and equipment used to control the flow of traffic within a specified range of an installation. [Description] Examples of installations that use control towers are aerodromes, railways, and maritime routes.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ060	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ060						

Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
allowed values:	Air Traffic Control Harbour Control Other Water Transport		Air Transport Inland Waters Transport Port Control		Canal Transport Maritime Pilotage Railway Transport Emergency Operations No Information Signalling	
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values:	No Information					
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
allowed values:	-999999					
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
allowed values:	-999999					
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values:	-999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values:	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values:	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values:	False		No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
allowed values:	Damaged No Information Unmaintained		Destroyed Ruined		Dismantled Site Preparation Intact Under Construction	
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values:	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
allowed values:	Conical Flat with Parapet Pitched with Clerestory With Clerestory With Steeple		Domed No Information Pyramidal With Cupola With Tower		Flat Other Sawtoothed With Minaret With Turret	Flat with Clerestory Pitched Semi-cylindrical With Smokestack
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
allowed values:	Aeronautical No Information		Canal Other		Inland Waterway Railway	Maritime Road
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
allowed values:	Aluminum Iron Other Wood		Brick Masonry Prestressed Concrete		Concrete Metal Reinforced Concrete	Glass No Information Steel
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values:	No Information					

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: ControlTower (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
ControlTower (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
ControlTower (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
ControlTower (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
ControlTower (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
ControlTower (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
ControlTower (Area 00) - is a member of group - Exactly one - AeronauticSrf (FeatureGroup 00)

Feature ControlTower (Point 00)

New ☐ Control Tower

A structure that houses personnel and equipment used to control the flow of traffic within a specified range of an installation. [Description] Examples of installations that use control towers are aerodromes, railways, and maritime routes.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ060	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ060						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Air Traffic Control Harbour Control Other Water Transport			Air Transport Inland Waters Transport Port Control			Canal Transport Maritime Pilotage Railway Transport Emergency Operations No Information Signalling
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
U.S. Northern Command (USNORTHCOM)						
U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.

allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
allowed values: Conical Flat with Parapet Pitched with Clerestory With Clerestory With Steeple			Domed No Information Pyramidal With Cupola With Tower			Flat Other Sawtoothed With Minaret With Turret Flat with Clerestory Pitched Semi-cylindrical With Smokestack
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
allowed values: Aeronautical No Information			Canal Other			Inland Waterway Railway Maritime Road
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
allowed values: Aluminum Iron Other Wood			Brick Masonry Prestressed Concrete			Concrete Metal Reinforced Concrete Glass No Information Steel
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values: -999999						

Relationships: ControlTower (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
ControlTower (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
ControlTower (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
ControlTower (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
ControlTower (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
ControlTower (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
ControlTower (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
ControlTower (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
ControlTower (Point 00) - is a member of group - Exactly one - AeronauticPnt (FeatureGroup 00)

Feature Conveyor (Line 00)

New ☐ Conveyor

A mechanical device for conveying articles or materials during manufacture or processing using an endless moving belt or series of rollers.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights. <i>allowed values:</i> <i>False</i> <i>No Information</i> <i>True</i>
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature. <i>allowed values:</i> <i>-999999</i>
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole. <i>allowed values:</i> <i>No Information</i> <i>Non-operational</i> <i>Not in Operation</i> <i>Operational</i> <i>Partially Operational</i> <i>Planned</i> <i>Temporarily Non-operational</i>
New Feature Code	1	AF020	CONSTRAINED_STRING	Unitless	5	Feature Code <i>allowed values:</i> <i>AF020</i>
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself. <i>allowed values:</i> <i>-999999</i>
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof. <i>allowed values:</i> <i>-999999</i>
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter. <i>allowed values:</i> <i>-999999</i>
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length. <i>allowed values:</i> <i>No Information</i>
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air. <i>allowed values:</i> <i>False</i> <i>No Information</i> <i>True</i>
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole. <i>allowed values:</i> <i>Damaged</i> <i>Destroyed</i> <i>Dismantled</i> <i>Intact</i> <i>No Information</i> <i>Ruined</i> <i>Site Preparation</i> <i>Under Construction</i> <i>Unmaintained</i>
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. <i>allowed values:</i> <i>U</i>
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)	
U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration	
U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)	
U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)	
U.S. Transportation Command (USTRANSCOM)				
Restriction Information : Security Attributes Group (resource non-intelligence community markings)				
allowed values:	No Information			
Restriction Information : Security Attributes Group (resource owner-producer)				
allowed values:	No Information			
Specified Domain Values(s)				
allowed values:	No Information			
Unique Entity Identifier				
allowed values:	No Information			
Vertical Construction Material				
allowed values:	Concrete	Iron	Masonry	Metal
	No Information	Other	Steel	Wood
Vertical Obstruction Identifier				
allowed values:	No Information			
Width				
allowed values:	-999999			

Relationships: Conveyor (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Conveyor (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Conveyor (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Conveyor (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Conveyor (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Conveyor (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Conveyor (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Conveyor (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Conveyor (Line 00) - is a member of group - Exactly one - IndustryCrv (FeatureGroup 00)

Feature CoolingFacility (Area 00) New ☐ Cooling Facility

A facility for the removal of thermal energy (for example: by generating and circulating chilled water) for cooling purposes.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AD055	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AD055						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Commerce Other			Government Residence			Manufacturing No Information
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.

<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> <i>False</i> <i>No Information</i> <i>True</i>						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> <i>Damaged</i> <i>Destroyed</i> <i>Dismantled</i> <i>Intact</i> <i>No Information</i> <i>Ruined</i> <i>Site Preparation</i> <i>Under Construction</i> <i>Unmaintained</i>						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> <i>U</i>						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) <i>No Information</i> Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)						
Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) <i>Other</i> U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)						
Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)						
Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> <i>No Information</i>						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> <i>No Information</i>						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> <i>No Information</i>						

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: CoolingFacility (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
CoolingFacility (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
CoolingFacility (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
CoolingFacility (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
CoolingFacility (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
CoolingFacility (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
CoolingFacility (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
CoolingFacility (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
CoolingFacility (Area 00) - is a member of group - Exactly one - UtilityInfrastructureSrf (FeatureGroup 00)

Feature CoolingFacility (Point 00)

New ☐ Cooling Facility

A facility for the removal of thermal energy (for example: by generating and circulating chilled water) for cooling purposes.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<u>allowed values:</u> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational
New Feature Code	1	AD055	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AD055						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<u>allowed values:</u> Commerce Other			Government Residence			Manufacturing
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.

allowed values: -999999

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
U.S. Northern Command (USNORTHCOM)						
U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.

allowed values: No Information

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
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allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: CoolingFacility (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
CoolingFacility (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
CoolingFacility (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
CoolingFacility (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
CoolingFacility (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
CoolingFacility (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
CoolingFacility (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
CoolingFacility (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
CoolingFacility (Point 00) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup 00)

Feature CoolingTower (Area 00)New ☐ Cooling Tower**A tall tower for cooling hot water from an industrial process before reuse.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<u>allowed values:</u> <i>False</i>			<u>No Information</u>			<i>True</i>
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> <i>No Information</i> <i>Partially Operational</i>			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AF030	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> <i>AF030</i>						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.

allowed values: No Information

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) <a>No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) <a>Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	<a>No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	<a>No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	<a>No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	<a>No Information					
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
allowed values:	Aluminum Masonry Steel		Brick Metal Stone		Concrete <a>No Information	Iron <a>Other
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values:	<a>No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	<a>-999999					

Relationships: CoolingTower (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 CoolingTower (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 CoolingTower (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 CoolingTower (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 CoolingTower (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 CoolingTower (Area 00) - is a member of group - Exactly one - UtilityInfrastructureSrf (FeatureGroup 00)

Feature CoolingTower (Point 00)New ☐ Cooling Tower**A tall tower for cooling hot water from an industrial process before reuse.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> <i>False</i>			<i>No Information</i>			<i>True</i>
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> <i>-999999</i>						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> <i>No Information</i> <i>Partially Operational</i>			<i>Non-operational</i> <i>Planned</i>			<i>Not in Operation</i> <i>Temporarily Non-operational</i> <i>Operational</i>
New Feature Code	1	AF030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> <i>AF030</i>						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> <i>No Information</i>						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> <i>-999999</i>						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> <i>-999999</i>						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> <i>-999999</i>						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> <i>No Information</i>						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> <i>No Information</i>						

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>			Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)
						Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)
						Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).

allowed values: Aluminum
Masonry
Steel

Brick
Metal
Stone

Concrete
No Information

Iron
Other

Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: CoolingTower (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
CoolingTower (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
CoolingTower (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
CoolingTower (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
CoolingTower (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
CoolingTower (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
CoolingTower (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
CoolingTower (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
CoolingTower (Point 00) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup 00)

Feature Courtyard (Area 00)

New ☐ Courtyard

An open area that is open to the sky and surrounded by walls or buildings forming the precincts of a larger facility (for example: an extended house, a castle, or a homestead), often in the form of an area that is enclosed by a single building. [Description] Historically, these areas in inns and public buildings were often the primary meeting places for some purposes, leading to the other meanings of the term 'court'.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999

New Feature Code	1	AL175	CONSTRAINED_ STRING	Unitless	5	Feature Code
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allowed values: AL175

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

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
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allowed values: -999999

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
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<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless	0	The physical state of a structure, or site, as a whole.
<i>allowed values:</i> <i>Damaged</i> <i>Destroyed</i> <i>Dismantled</i> <i>Intact</i> <i>No Information</i> <i>Other</i> <i>Ruined</i> <i>Site Preparation</i> <i>Under Construction</i> <i>Unmaintained</i>						
Religious Information : Religious Designation	1	No Information	Enumeration	Unitless	0	A designation denoting a religion or system of belief.
<i>allowed values:</i> Buddhism Chaldean Christian Hinduism Islam Judaism Nestorian No Information Orthodox Other Protestant Roman Catholic Shia Shinto Sunni						
Religious Information : Religious Facility Type	1	No Information	Enumeration	Unitless	0	The type of a facility, building, structure or site that is designed and designated to be used for religious activities, based on its structure and/or the principal activity for which it was designed.
<i>allowed values:</i> Burial Site Cathedral Chapel Church Convent Hermitage Marabout Minaret Mission Monastery Mosque No Information Noviciate Other Pagoda Religious Community Retreat Seminary Shrine Stupa Synagogue Tabernacle Temple						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Army Geographic Centre (Spain) Army Geographic Institute (Portugal) Bundeswehr Geoinformation Office (Germany) Defence Acquisition and Logistics Organization (Denmark) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Defence Imagery and Geospatial Organisation (Australia) Defense Information Security (Italy) General Command of Mapping (Turkey) Geographic Service (Belgium) Geographic Service of the Czech Armed Forces (Czech Republic) Geospatial Information Agency (Latvia) Geospatial Intelligence Organisation (New Zealand) Hellenic Military Geographic Service (Greece) Joint Geography Bureau (France) Mapping and Charting Establishment (Canada) Mapping Service (Hungary) Military Geographic Group (Estonia) Military Geographic Service (Norway) Military Geography Division (Poland) Military Mapping Centre (Lithuania) Military Topographic Directorate (Romania) Military Topographic Service (Bulgaria) National Army Topographic Service (Moldova) No Information Other Swedish Armed Forces (Sweden) Topographic Institute (Slovakia) Topographic Service (Finland) U.S. Africa Command (USAFRICOM) U.S. Air Force U.S. Army U.S. Army Geospatial Center (AGC) U.S. Central Command (USCENTCOM) U.S. Central Intelligence Agency (CIA) U.S. Coast Guard U.S. Defense Intelligence Agency (DIA) U.S. Department of Energy (DOE) U.S. Department of Homeland Security (DHS) U.S. Department of State U.S. European Command (USEUCOM) U.S. Federal Bureau of Investigation (FBI) U.S. Geological Survey (USGS) U.S. Joint Forces Command (USJFCOM) U.S. Marine Corps U.S. National Civil Applications Program (NCAP) U.S. National Geospatial-Intelligence Agency (NGA) U.S. National Oceanic and Atmospheric Administration U.S. National Reconnaissance Office (NRO) U.S. National Security Agency (NSA) U.S. Navy U.S. Northern Command (USNORTHCOM) U.S. Pacific Command (PACOM) U.S. Southern Command (USSOUTHCOM) U.S. Special Operations Command (USSOCOM) U.S. Strategic Command (USSTRATCOM) U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Courtyard (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Courtyard (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Courtyard (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Courtyard (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Courtyard (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Courtyard (Area 00) - is a member of group - Exactly one - CultureSrf (FeatureGroup 00)

Feature Crane (Area 00)New ☐ Crane**Equipment for lifting, shifting, and lowering objects or materials by means of a swinging boom or with the lifting apparatus supported on an overhead track.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Crane Mobility Type	1	No Information	Enumeration	Unitless	0	The type of mobility of a crane.
<i>allowed values:</i> Fixed Other			Floating Travelling	Mobile No Information		
Crane Type	1	No Information	Enumeration	Unitless	0	The type of a crane based on its design and/or method of operation.
<i>allowed values:</i> Bridge Crane Rotating Crane			Container Crane Tower Crane	No Information Other		
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned	Not in Operation Temporarily Non-operational Operational		
Feature Code	1	AF040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AF040						

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Lifting Capacity	1	-999999	REAL	Tonne	0	The maximum weight that can be safely raised by a lifting device (for example: a crane).
<i>allowed values:</i> -999999						
Location Referenced to Shoreline	1	No Information	Enumeration	Unitless	0	The location of an object in relation to a land water boundary.
<i>allowed values:</i> At Shoreline			Inland			No Information Offshore
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:	No Information						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.	
allowed values:	Maritime Railway		No Information Road			No Transportation System	Other
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values:	No Information						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).	
allowed values:	Aluminum Other		Iron Steel			Metal	No Information
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.	
allowed values:	No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	
allowed values:	No Information						

Relationships: Crane (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Crane (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Crane (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Crane (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Crane (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Crane (Area 00) - is a member of group - Exactly one - IndustrySrf (FeatureGroup 00)

Feature Crane (Point 00)

New ☐ Crane

Equipment for lifting, shifting, and lowering objects or materials by means of a swinging boom or with the lifting apparatus supported on an overhead track.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Crane Mobility Type	1	No Information	Enumeration	Unitless	0	The type of mobility of a crane.
<i>allowed values:</i> Fixed Other			Floating Travelling			Mobile No Information
Crane Type	1	No Information	Enumeration	Unitless	0	The type of a crane based on its design and/or method of operation.
<i>allowed values:</i> Bridge Crane Rotating Crane			Container Crane Tower Crane			No Information Other
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AF040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AF040						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Lifting Capacity	1	-999999	REAL	Tonne	0	The maximum weight that can be safely raised by a lifting device (for example: a crane).

<i>allowed values:</i> -999999						
Location Referenced to Shoreline	1	No Information	Enumeration	Unitless	0	The location of an object in relation to a land water boundary.
<i>allowed values:</i> At Shoreline Inland No Information Offshore						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information True						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged Destroyed Dismantled Intact No Information Ruined Site Preparation Under Construction Unmaintained						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Army Geographic Centre (Spain) Army Geographic Institute (Portugal) Bundeswehr Geoinformation Office (Germany) Defence Acquisition and Logistics Organization (Denmark) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Defence Imagery and Geospatial Organisation (Australia) Defense Information Security (Italy) General Command of Mapping (Turkey) Geographic Service (Belgium) Geographic Service of the Czech Armed Forces (Czech Republic) Geospatial Information Agency (Latvia) Geospatial Intelligence Organisation (New Zealand) Hellenic Military Geographic Service (Greece) Joint Geography Bureau (France) Mapping and Charting Establishment (Canada) Mapping Service (Hungary) Military Geographic Group (Estonia) Military Geography Bureau (Norway) Military Geography Division (Poland) Military Mapping Centre (Lithuania) Military Topographic Directorate (Romania) Military Topographic Service (Bulgaria) National Army Topographic Service (Moldova) No Information Other Swedish Armed Forces (Sweden) Topographic Institute (Slovakia) Topographic Service (Finland) U.S. Air Force U.S. Army U.S. Army Geospatial Center (AGC) U.S. Coast Guard U.S. Defense Intelligence Agency (DIA) U.S. Central Intelligence Agency (CIA) U.S. Department of State U.S. European Command (USEUCOM) U.S. Department of Energy (DOE) U.S. Department of Homeland Security (DHS) U.S. Joint Forces Command (USJFCOM) U.S. Marine Corps U.S. Federal Bureau of Investigation (FBI) U.S. Geological Survey (USGS) U.S. National Oceanic and Atmospheric Administration U.S. National Reconnaissance Office (NRO) U.S. National Security Agency (NSA) U.S. Navy U.S. Northern Command (USNORTHCOM) U.S. Pacific Command (PACOM) U.S. Southern Command (USSOUTHCOM) U.S. Special Operations Command (USSOCOM) U.S. Strategic Command (USSTRATCOM) U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.

allowed values: No Information						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
allowed values: Maritime Railway			No Information Road			No Transportation System Other
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
allowed values: Aluminum Other			Iron Steel			Metal No Information
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Crane (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Crane (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Crane (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Crane (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Crane (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Crane (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Crane (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Crane (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Crane (Point 00) - is a member of group - Exactly one - IndustryPnt (FeatureGroup 00)

Feature **Crevasse (Area 00)** New ☐ Crevasse

A deep crack or fissure in a glacier that results from differential movement of ice.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
allowed values: -999999						
New Feature Code	1	BJ031	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: BJ031						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.

allowed values: -999999

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Predominant Feature Depth	1	-999999	REAL	Metre	0	The predominant depth (the depth of at least 50 percent) of the feature.
allowed values: -999999						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values: <div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Crevasse (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Crevasse (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Crevasse (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Crevasse (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Crevasse (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Crevasse (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Crevasse (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Crevasse (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Crevasse (Area 00) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup 00)

Feature Crevasse (Line 00)New ☐ Crevasse**A deep crack or fissure in a glacier that results from differential movement of ice.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	BJ031	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BJ031						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Predominant Feature Depth	1	-999999	REAL	Metre	0	The predominant depth (the depth of at least 50 percent) of the feature.
<u>allowed values:</u> -999999						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.

allowed values: U

Process Step Information : Resource 1 No Information Enumeration Unitless 0 The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:

Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings) 1 No Information String Unitless 254 Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.

allowed values: No Information

Restriction Information : Security Attributes Group (resource owner-producer) 1 No Information String Unitless 254 The national government or international organization owner(s) and/or producer(s) of the resource.

allowed values: No Information

Specified Domain Values(s) 1 No Information String Unitless 2E+09 One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.

allowed values: No Information

Unique Entity Identifier 1 No Information String Unitless 254 The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Width 1 -999999 REAL Metre 0 The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Crevasse (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Crevasse (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Crevasse (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Crevasse (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Crevasse (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Crevasse (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Crevasse (Line 00) - is a member of group - Exactly one - PhysiographyCrv (FeatureGroup 00)
 Crevasse (Line 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Crevasse (Line 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature **Crevice (Area 00)** New ☐ Crevice

A narrow opening or fissure produced by a crack in the land, especially in rock. [Description] May also describe a deep vertical opening in the terrain that appears after an earthquake.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	DB061	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> DB061						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Predominant Feature Depth	1	-999999	REAL	Metre	0	The predominant depth (the depth of at least 50 percent) of the feature.
<u>allowed values:</u> -999999						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.

allowed values: U

Process Step Information : Resource Content Originator						1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.												
allowed values: Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)						Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)						Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)						Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)						1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.												
allowed values: No Information																							
Restriction Information : Security Attributes Group (resource owner-producer)						1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.												
allowed values: No Information																							
Specified Domain Values(s)						1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.												
allowed values: No Information																							
Structural Material Type						3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.												
allowed values: No Information						Other																	
Unique Entity Identifier						1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.												
allowed values: No Information																							
Width						1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.												

allowed values: -999999

Relationships: Crevice (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Crevice (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Crevice (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Crevice (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Crevice (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Crevice (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Crevice (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Crevice (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Crevice (Area 00) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup 00)

Feature Crevice (Line 00) New ☐ Crevice

A narrow opening or fissure produced by a crack in the land, especially in rock. [Description] May also describe a deep vertical opening in the terrain that appears after an earthquake.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i> -999999						
New Feature Code	1	DB061	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> DB061						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Predominant Feature Depth	1	-999999	REAL	Metre	0	The predominant depth (the depth of at least 50 percent) of the feature.
<i>allowed values:</i> -999999						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.

allowed values: U

Process Step Information : Resource Content Originator						
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)					Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)
	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)						
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)						
allowed values:	No Information					
Specified Domain Values(s)						
allowed values:	No Information					
Structural Material Type						
allowed values:	No Information		Other	Rock Soil		
Unique Entity Identifier						
allowed values:	No Information					
Width						

allowed values: -999999

Relationships: Crevice (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Crevice (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Crevice (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Crevice (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Crevice (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Crevice (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Crevice (Line 00) - is a member of group - Exactly one - PhysiographyCrv (FeatureGroup 00)
 Crevice (Line 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Crevice (Line 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature Crib (Area 00)New ☐ Crib

A permanent structure set in the water, typically framed with wooden beams and filled with rocks or boulders that is used to anchor log booms or support other constructions (for example: submerged outfalls, diffusers, or piers). [Description] They may always be dry, submerged, or covered and uncovered. Cribs should not be confused with water intake towers which may sometimes also be termed a 'crib'.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Hydrographic Base Height : Sounding Metadata : Bathymetric Measurement Technique	3	No Information	Enumeration	Unitless		The technique used to determine water depth(s).
<i>allowed values:</i> Area Swept by Wire-drag			<i>Depth Known by Other Than Wire Drag</i>			<i>No Information</i> Other
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	BD020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BD020						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i> Accurate			Approximate			Doubtful No Information
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:	No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values:	No Information						
Hydrographic Vertical Positioning Information : Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.	
allowed values:	Always Dry Other		Always Submerged		Covers and Uncovers	No Information	
Relationships: Crib (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00) Crib (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00) Crib (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00) Crib (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00) Crib (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00) Crib (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00) Crib (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)							

Feature Crib (Point 00)

New ☐ Crib

A permanent structure set in the water, typically framed with wooden beams and filled with rocks or boulders that is used to anchor log booms or support other constructions (for example: submerged outfalls, diffusers, or piers). [Description] They may always be dry, submerged, or covered and uncovered. Cribbs should not be confused with water intake towers which may sometimes also be termed a 'crib'.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Hydrographic Base Height : Sounding Metadata : Bathymetric Measurement Technique	3	No Information	Enumeration	Unitless		The technique used to determine water depth(s).
<i>allowed values:</i> Area Swept by Wire-drag			<i>Depth Known by Other Than Wire Drag</i>			<i>No Information</i> Other
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BD020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BD020						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i> Accurate			Approximate			Doubtful No Information
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Hydrographic Vertical Positioning Information : Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.
allowed values:	Always Dry Other		Always Submerged		Covers and Uncovers	No Information

Relationships: Crib (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Crib (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Crib (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Crib (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Crib (Point 00) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup 00)
 Crib (Point 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Crib (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
 Crib (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 Crib (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature CropLand (Area 00)

New ☐ Crop Land

An area that has been tilled for the planting of crops.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Crop Information : Crop Species	3	No Information	Enumeration	Unitless	0	The predominant species of a crop land.
<i>allowed values:</i> Barley Cork-Oak Maize Oil Crop Peanut Sisal Tuber			Cannabis Cotton Millet Opium Poppy Potato Sorghum Vegetable Crop			Carob Dry Crop No Information Ornamental Crop Pulse Sugar Crop Wheat Coffee Fibre Crop Oat Other Rye Tobacco
Crop Information : Farming Method	3	No Information	Enumeration	Unitless	0	The agricultural practice(s) in use within an agro-ecosystem.
<i>allowed values:</i> Fallow Permanent			Grazing Permanent Irrigation			No Information Slash and Burn Other
Crop Information : Farming Pattern	3	No Information	Enumeration	Unitless	0	The general arrangement(s) and/or pattern(s) of farming fields.
<i>allowed values:</i> Intermingled Trees No Information Treeless			Intermingled Woods Other Trellised			Irregular Regular Linear Terraced
New Feature Code	1	EA010	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> EA010						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Crop Information : Irrigation Method	1	No Information	Enumeration	Unitless	0	The method used to supply crops with water.
<i>allowed values:</i> Center Pivot Other			Furrow Overhead			Linear Move No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
allowed values: U							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:	Army Geographic Agency (Netherlands)		Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)		Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)		Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)		Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)		Military Geographic Group (Estonia)			Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)		Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information		Other			Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)		U.S. Africa Command (USAFRICOM)			U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)		U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)		U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)		U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps		U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)		U.S. National Security Agency (NSA)			U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)		U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values: No Information							
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values: No Information							
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values: No Information							
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values: No Information							
Vegetation Trafficability Impact	1	[-999999, -999999]	Real_Interval	Percent		The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).	
allowed values: [-999999, -999999]							
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	
allowed values: -999999							

Relationships: CropLand (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 CropLand (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 CropLand (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 CropLand (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 CropLand (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 CropLand (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 CropLand (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 CropLand (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 CropLand (Area 00) - is a member of group - Exactly one - AgricultureSrf (FeatureGroup 00)

Feature Crossing (Point 00) New ☐ Crossing

A location where land transportation routes intersect or cross at the same vertical level. [Description] For example, a railway crossing, a road intersection, and a ford.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Feature Code	1	AQ062	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ062						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Intersection Control Type	3	No Information	Enumeration	Unitless	0	The type of route intersection traffic control based on the method(s) of warning and/or control.
<i>allowed values:</i> Ground Marking Priority Sign			No Control Signal Device			No Information Stop Sign Other Yield Sign
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy)		
	Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information	Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other	Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden)	Geospatial Information Agency (Latvia)		
	Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps	U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP)	U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA)	Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration		
	U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	U.S. Navy U.S. Special Operations Command (USSOCOM)	U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
allowed values:	Canal Road	No Information	Other	Railway		
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Crossing (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Crossing (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Crossing (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Crossing (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Crossing (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Crossing (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Crossing (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Crossing (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Crossing (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)

Feature CulturalContextLocation (Area 00)New ☐ Cultural Context Location

A location that normally does not appear as a specific, characterized object but that represents an area where a specific cultural factor (for example: religion, ethnicity, language, or tribal/clan affiliation) predominates.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Cultural Context Type	1	No Information	Enumeration	Unitless	0	The type of a cultural factor shared by a group of people and establishing a common context for their behaviour.
<i>allowed values:</i> Clan No Information			Ethnic Group Other			Language Religion National Identity Tribe
New Feature Code	1	ZD030	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> ZD030						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Religious Information : Religious Designation	1	No Information	Enumeration	Unitless	0	A designation denoting a religion or system of belief.
<i>allowed values:</i> Buddhism Islam Orthodox Shia			Chaldean Judaism Other Shinto			Christian Nestorian Protestant Sunni Hinduism No Information Roman Catholic
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: CulturalContextLocation (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 CulturalContextLocation (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 CulturalContextLocation (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 CulturalContextLocation (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 CulturalContextLocation (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 CulturalContextLocation (Area 00) - is a member of group - Exactly one - CultureSrf (FeatureGroup 00)
 CulturalContextLocation (Area 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 CulturalContextLocation (Area 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
 CulturalContextLocation (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)

Feature CulturalContextLocation (Point 00)New ☐ Cultural Context Location

A location that normally does not appear as a specific, characterized object but that represents an area where a specific cultural factor (for example: religion, ethnicity, language, or tribal/clan affiliation) predominates.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Cultural Context Type	1	No Information	Enumeration	Unitless	0	The type of a cultural factor shared by a group of people and establishing a common context for their behaviour.
<i>allowed values:</i> Clan No Information						
			Ethnic Group			Language
			Other			Religion
						National Identity
						Tribe
New Feature Code	1	ZD030	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> ZD030						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Religious Information : Religious Designation	1	No Information	Enumeration	Unitless	0	A designation denoting a religion or system of belief.
<i>allowed values:</i> Buddhism Islam Orthodox Shia						
			Chaldean			Christian
			Judaism			Nestorian
			Other			Protestant
			Shinto			Sunni
						Hinduism
						No Information
						Roman Catholic
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: CulturalContextLocation (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 CulturalContextLocation (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 CulturalContextLocation (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 CulturalContextLocation (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 CulturalContextLocation (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 CulturalContextLocation (Point 00) - is a member of group - Exactly one - CulturePnt (FeatureGroup 00)
 CulturalContextLocation (Point 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 CulturalContextLocation (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
 CulturalContextLocation (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)

Feature Culvert (Line 00)New ☐ Culvert

An enclosed channel for carrying a watercourse (for example: a stream, a sewer, or a drain) under a route (for example: a road, a railway, or an embankment). [Description]
Usually the construction of the route is unaffected.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Cross-sectional Profile	1	No Information	Enumeration	Unitless	0	The cross-sectional profile of an opening (for example: a tunnel or the space under a bridge span).
<i>allowed values:</i> Arch Semicircular			Box			No Information Other
Culvert Type	1	No Information	Enumeration	Unitless	0	The type of a culvert based on its shape and fill.
<i>allowed values:</i> Box with Load Regular with Soil			Box with Soil			No Information Other
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ065	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ065						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
allowed values:	Concrete Other		Masonry			Metal No Information
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: Culvert (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Culvert (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Culvert (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Culvert (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Culvert (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Culvert (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Culvert (Line 00) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup 00)

Feature Culvert (Point 00)New ☐ Culvert

An enclosed channel for carrying a watercourse (for example: a stream, a sewer, or a drain) under a route (for example: a road, a railway, or an embankment). [Description]
Usually the construction of the route is unaffected.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Cross-sectional Profile	1	No Information	Enumeration	Unitless	0	The cross-sectional profile of an opening (for example: a tunnel or the space under a bridge span).
<i>allowed values:</i> Arch Semicircular			Box			No Information Other
Culvert Type	1	No Information	Enumeration	Unitless	0	The type of a culvert based on its shape and fill.
<i>allowed values:</i> Box with Load Regular with Soil			Box with Soil			No Information Other
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ065	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ065						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)		
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)		
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)		
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)		
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)		
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)		
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)		
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army		
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard		
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State		
U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)			
U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration			
U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)			
U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)			
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
allowed values:	Concrete Other		Masonry			Metal No Information
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: Culvert (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Culvert (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Culvert (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Culvert (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Culvert (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Culvert (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Culvert (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)

Feature Cut (Line 00)New ☐ Cut

An excavation in the terrain to provide passage for a land or water transportation route (for example: a road, a railway, and/or a canal).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i> -999999						
New Feature Code	1	DB070	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> DB070						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Grading Type	1	No Information	Enumeration	Unitless	0	The number of terrain feature sides on which either fill or cut material is exposed. [Description] For example, along two sides of a road that is both cut into the side of a hill and supported by fill on the downslope.
<i>allowed values:</i> Many Sides Other			No Information Two Sides			No Sides One Side
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless	0	The physical state of a structure, or site, as a whole.

<i>allowed values:</i>	<i>Damaged</i> No Information <i>Under Construction</i>	<i>Destroyed</i> Other <i>Unmaintained</i>	<i>Dismantled</i> <i>Ruined</i>	<i>Intact</i> <i>Site Preparation</i>		
Predominant Feature Depth	1	-999999	REAL	Metre	0	The predominant depth (the depth of at least 50 percent) of the feature.
<i>allowed values:</i>	-999999					
Predominant Feature Height	1	-999999	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).
<i>allowed values:</i>	-999999					
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i>	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>	<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i>	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i>	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i>	No Information					
Surface Slope	1	[-999999, -999999]	REAL_Interval	Percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
<i>allowed values:</i>	<div>[-999999, -999999]</div> <div>Greater-than to Less-than-or-equal Interval Open Interval</div> <div>Closed Interval Greater-than-or-equal to Less-than Interval</div> <div>Greater-than or Equal Semi-interval Less-than or Equal Semi-interval</div> <div>Greater-than Semi-interval Less-than Semi-interval</div>					

Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i>	Aqueduct Pedestrian		Canal Railway	No Information Road Other		
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i>	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Cut (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Cut (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Cut (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Cut (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Cut (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Cut (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Cut (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Cut (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Cut (Line 00) - is a member of group - Exactly one - PhysiographyCrv (FeatureGroup 00)

Feature CutLine (Line 00)New ☐ Cut Line**The demarcation line between a cut and the surrounding land surface.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Feature Code	1	DB071	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i>	DB071					
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i>	-999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i>	No Information					
Predominant Feature Height	1	-999999	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).
<i>allowed values:</i>	-999999					
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i>	U					

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Surface Slope	1	[-999999, -999999]	REAL_Interval	Percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
allowed values:	<div>[-999999, -999999]</div> <div>Greater-than to Less-than-or-equal Interval</div> <div>Open Interval</div>					<div>Closed Interval</div> <div>Greater-than-or-equal to Less-than Interval</div> <div></div>
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
allowed values:	<div>Aqueduct</div> <div>Pedestrian</div>					<div>Canal</div> <div>Railway</div> <div>No Information</div> <div>Road</div> <div>Other</div>
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					

Relationships: CutLine (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 CutLine (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 CutLine (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 CutLine (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 CutLine (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 CutLine (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 CutLine (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 CutLine (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 CutLine (Line 00) - is a member of group - Exactly one - PhysiographyCrv (FeatureGroup 00)

Feature Dam (Area 00) New ☐ Dam

A barrier constructed to hold back water and raise its level to form a reservoir or to prevent flooding.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Dam Crest Width	1	-999999	Real	Metre	0	The average distance across the crest of a dam. [Description] The width is measured perpendicular to the crest centerline.
<i>allowed values:</i> -999999						
Dam Face Type	1	No Information	Enumeration	Unitless		The type of slope of the upstream face of a dam.
<i>allowed values:</i> No Information			Other			Slope Vertical
New Dam Structural Design Type	1	No Information	Enumeration	Unitless	0	The type of structural design of a dam.
<i>allowed values:</i> Arch Gravity Rockfill			Asphalt-concrete core Multi-Arch			Buttress No Information Earthen Other
Dam Type	1	No Information	Enumeration	Unitless	0	The type of a dam based on function and/or structure. [Description] May be used as a means of subtyping Feature: 'Dam'.
<i>allowed values:</i> Flood Control Other			Hydroelectric Power Generation Weir			Navigation No Information
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BI020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BI020						
Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Geographic Name Type	3	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i> Conventional Other		Historical Transliterated Provisional		Native Transliterated Unverified Transliterated		No Information Variant Transliterated
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
New Power Source	3	No Information	Enumeration	Unitless	0	The energy source(s) employed to generate power for off-site distribution.
<i>allowed values:</i> Hydro-electric			No Information		Other	Tidal
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)		Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)		Defense Information Security (Italy)
	General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)		Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)		Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)		Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)		National Army Topographic Service (Moldova)
	No Information			Other			Swedish Armed Forces (Sweden)		Topographic Institute (Slovakia)
	Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force		U.S. Army
	U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)		U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)		U.S. Department of State
	U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)		U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)		U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy		U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)		U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)								
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.		
allowed values: No Information									
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.		
allowed values: No Information									
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.		
allowed values: No Information									
Spillway Height		1	-999999	Real	Metre	0	The vertical distance above ground or water level on the upstream side of the dam.		
allowed values: -999999									
Structural Material Type		3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.		
allowed values:	Brick			Composition			Concrete		Masonry
	Metal			No Information			Other		Rubble
	Soil			Steel			Stone		Treated Timber
	Wood								
Transportation System Type		3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.		
allowed values:	No Information			No Transportation System			Other		Pedestrian
	Railway			Road					
Unique Entity Identifier		1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.		
allowed values: No Information									
Vertical Obstruction Identifier		1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.		
allowed values: No Information									
Water Resource Information : Water Pump Accessibility		1	No Information	Enumeration	Unitless	0	The approachable or easily entered side of a water source where portable equipment including pumps and pipes may be placed into the water source and used with nearby portable equipment. [Description] Provides an indication of whether it is possible access the water for the purpose of connecting portable water pumping equipment to temporary purification units. Accessibility must meet distance requirements in the transport of water: 100 m horizontal and 10 m vertical.		

allowed values: From All Sides
From Right
No Information

From East
From South

From Left
From West

From North
No Accessibility

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Width at Top	1	-999999	REAL	Metre	0	The width at the top of a feature.
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allowed values: -999999

Relationships: Dam (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Dam (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Dam (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Dam (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Dam (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Dam (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Dam (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Dam (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Dam (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)

Feature Dam (Line 00)

New ☐ Dam

A barrier constructed to hold back water and raise its level to form a reservoir or to prevent flooding.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Dam Crest Width	1	-999999	Real	Metre	0	The average distance across the crest of a dam. [Description] The width is measured perpendicular to the crest centerline.
<i>allowed values:</i> -999999						
Dam Face Type	1	No Information	Enumeration	Unitless	0	The type of slope of the upstream face of a dam.
<i>allowed values:</i> No Information			Other			Slope Vertical
New Dam Structural Design Type	1	No Information	Enumeration	Unitless	0	The type of structural design of a dam.
<i>allowed values:</i> Arch Gravity Rockfill			Asphalt-concrete core Multi-Arch			Buttress No Information Earthen Other
Dam Type	1	No Information	Enumeration	Unitless	0	The type of a dam based on function and/or structure. [Description] May be used as a means of subtyping Feature: 'Dam'.

<i>allowed values:</i> Flood Control Other			Hydroelectric Power Generation Weir			Navigation	No Information
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.	
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational	Operational
New Feature Code	1	BI020	CONSTRAINED_ STRING	Unitless	5	Feature Code	
<i>allowed values:</i> BI020							
Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.	
<i>allowed values:</i> No Information							
Geographic Name Type	3	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.	
<i>allowed values:</i> Conventional Other			Historical Transliterated Provisional			Native Transliterated Unverified Transliterated	No Information Variant Transliterated
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
<i>allowed values:</i> -999999							
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<i>allowed values:</i> -999999							
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information							
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
<i>allowed values:</i> False			No Information			True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.	
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation	Intact Under Construction
New Power Source	3	No Information	Enumeration	Unitless	0	The energy source(s) employed to generate power for off-site distribution.	
<i>allowed values:</i> Hydro-electric			No Information			Other	Tidal
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	

allowed values: U

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Spillway Height	1	-999999	Real	Metre	0	The vertical distance above ground or water level on the upstream side of the dam.
allowed values:	-999999					
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
allowed values:	Brick Metal Soil Wood	Composition No Information Steel	Concrete Other Stone	Masonry Rubble Treated Timber		
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
allowed values:	No Information Railway	No Transportation System Road	Other	Pedestrian		
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values:	No Information					

New	Water Resource Information : Water Pump Accessibility	1	No Information	Enumeration	Unitless	0	The approachable or easily entered side of a water source where portable equipment including pumps and pipes may be placed into the water source and used with nearby portable equipment. [Description] Provides an indication of whether it is possible access the water for the purpose of connecting portable water pumping equipment to temporary purification units. Accessibility must meet distance requirements in the transport of water: 100 m horizontal and 10 m vertical.
	allowed values:	From All Sides		From East		From Left	From North
		From Right		From South		From West	No Accessibility
		No Information					
	Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
	allowed values:	-999999					
	Width at Top	1	-999999	REAL	Metre	0	The width at the top of a feature.
	allowed values:	-999999					

Relationships: Dam (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Dam (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Dam (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Dam (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Dam (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Dam (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Dam (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Dam (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Dam (Line 00) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup 00)

Feature Dam (Point 00) New ☐ Dam

A barrier constructed to hold back water and raise its level to form a reservoir or to prevent flooding.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<u>allowed values:</u> False			No Information		True	
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> <div>Civilian National Public</div>			<div>International No Information State</div>	<div>Joint Military and Civilian Other</div>	<div>Military Private</div>	
Dam Crest Width	1	-999999	Real	Metre	0	The average distance across the crest of a dam. [Description] The width is measured perpendicular to the crest centerline.
<u>allowed values:</u> -999999						
Dam Face Type	1	No Information	Enumeration	Unitless	0	The type of slope of the upstream face of a dam.
<u>allowed values:</u> No Information			Other	Slope	Vertical	
New Dam Structural Design Type	1	No Information	Enumeration	Unitless	0	The type of structural design of a dam.

<i>allowed values:</i>	Arch Gravity Rockfill		Asphalt-concrete core Multi-Arch		Buttress No Information	Earthen Other
Dam Type	1	No Information	Enumeration	Unitless	0	The type of a dam based on function and/or structure. [Description] May be used as a means of subtyping Feature: 'Dam'.
<i>allowed values:</i>	Flood Control Other		Hydroelectric Power Generation Weir		Navigation	No Information
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i>	No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational	Operational
New Feature Code	1	BI020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i>	BI020					
Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i>	No Information					
Geographic Name Type	3	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i>	Conventional Other		Historical Transliterated Provisional		Native Transliterated Unverified Transliterated	No Information Variant Transliterated
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i>	-999999					
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i>	-999999					
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i>	-999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i>	No Information					
Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i>	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i>	False		No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i>	Damaged No Information Unmaintained		Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
New Power Source	3	No Information	Enumeration	Unitless	0	The energy source(s) employed to generate power for off-site distribution.

allowed values: <i>Hydro-electric</i>			No Information			Other	<i>Tidal</i>
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
allowed values: <i>U</i>							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:							
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)	Military Geography Division (Poland)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
No Information			Other			Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force	U.S. Army
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)	U.S. Department of State
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy	U.S. Northern Command (USNORTHCOM)
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
U.S. Transportation Command (USTRANSCOM)							
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values: <i>No Information</i>							
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values: <i>No Information</i>							
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values: <i>No Information</i>							
Spillway Height	1	-999999	Real	Metre	0	The vertical distance above ground or water level on the upstream side of the dam.	
allowed values: <i>-999999</i>							
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.	
allowed values:							
Brick			<i>Composition</i>			Concrete	Masonry
Metal			No Information			Other	Rubble
Soil			Steel			Stone	Treated Timber
Wood							
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.	
allowed values: <i>No Information</i>							
Railway			No Transportation System Road			Other	Pedestrian

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
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allowed values: No Information

New Water Resource Information : Water Pump Accessibility	1	No Information	Enumeration	Unitless	0	The approachable or easily entered side of a water source where portable equipment including pumps and pipes may be placed into the water source and used with nearby portable equipment. [Description] Provides an indication of whether it is possible access the water for the purpose of connecting portable water pumping equipment to temporary purification units. Accessibility must meet distance requirements in the transport of water: 100 m horizontal and 10 m vertical.
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allowed values: From All Sides From Right No Information From East From South From Left From West From North No Accessibility

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Width at Top	1	-999999	REAL	Metre	0	The width at the top of a feature.
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allowed values: -999999

Relationships: Dam (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Dam (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Dam (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Dam (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Dam (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Dam (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Dam (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Dam (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Dam (Point 00) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup 00)

Feature Dataset (Area 00)

New ☐ Dataset

A resource that is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process).
[Description] For example, a set of modeling entities whose instances together constitute a 'water resources map'.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Absolute Horizontal Accuracy (90%)	1	-999999	REAL	Metre	0	The difference between the recorded horizontal coordinates of a feature and its true position referenced to the same geodetic datum expressed as a circular error at 90 percent probability. [Description] It may also be applied to a data set. If the data contains multiple accuracies, usually the worst accuracy which applies to 10% or more of the data is recorded.

allowed values: -999999

Absolute Vertical Accuracy (90%)	1	-999999	REAL	Metre	0	The difference between the recorded elevation of a feature and its true elevation referenced to the same vertical datum expressed as a linear error at 90 percent probability. [Description] It may also be applied to a data set. If the data contains multiple accuracies, usually the worst accuracy which applies to 10% or more of the data is recorded.
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allowed values: -999999

Cell Identifier	1	No Information	String	Unitless	20	The identifier that denotes a defined extent (for example: a rectangular cell) within a system (for example: an array of rectangular cells) of planar space partitioning. [Description] The partitioning results in a set of unique, continuous, non-overlapping, regions; for example: a grid, a hexagonal tiling, a Voronoi tessellation, a Delaunay triangulation, a Triangulated Irregular Network (TIN). The specific mechanism used to create the tessellation and assign identifiers to its cells is externally defined.
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<u>allowed values:</u> No Information						
Cell Partition Scheme	1	No Information	Enumeration	Unitless	0	The tessellation scheme used to create a planar space partitioning and assign identifiers to its cells. [Description] The partitioning results in a set of unique, continuous, non-overlapping, regions; for example: a grid, a hexagonal tiling, a Voronoi tessellation, a Delaunay triangulation, a Triangulated Irregular Network (TIN).
<u>allowed values:</u> Fixed Cells, 0.25 Arc Degree No Information						
Fixed Cells, 0.5 Arc Degree						
Fixed Cells, 1 Arc Degree						
Fixed Cells, 5 Arc Degree						
Variable Cells						
Data Quality Statement	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records a general assessment of the quality of a resource (for example: a data instance, a data set or a data processing activity). [Description] The quality of a data resource is dependent on the data providers knowledge regarding the lineage of the data and the processes that have been used to transform that data. No restriction is placed on the length of the statement.
<u>allowed values:</u> No Information						
Elevation Vertical Accuracy (90%)	1	-999999	REAL	Metre	0	The difference between a recorded elevation value and the true elevation referenced to the same vertical datum, expressed as a linear error at 90 percent probability. [Description] The elevation value may, for example, represent the highest point on a feature or the base of the feature at ground level. The accuracy may also be representative of a set of elevation values. If the data contains multiple accuracies, usually the worst accuracy which applies to 10% or more of the data is recorded.
<u>allowed values:</u> -999999						
Equivalent Scale Category	1	No Information	Enumeration	Unitless	0	The map scale that best represents the density of feature collection within the geospatial extent of a specified region, as a category.
<u>allowed values:</u> 1:1,000,000						
1:25,000						
1:50,000						
1:100,000						
1:250,000						
1:500,000						
No Information						
Other						
Extraction Specification	1	No Information	Enumeration	Unitless	0	The specification that was used as the basis for defining the digital representation of the feature or data set.
<u>allowed values:</u> DFEG						
No Information						
GTDS-EG						
Other						
LTDS-EG						
RTDS-EG						
MGCP TRD						
S-UTDS-EG						
Extraction Specification Version	1	No Information	String	Unitless	24	The version of the specification that was used as the basis for defining the digital representation of the feature or data set.
<u>allowed values:</u> No Information						
New Feature Code	1	ZI031	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> ZI031						
Geodetic Datum	1	No Information	Enumeration	Unitless	0	A datum describing the relationship of a two-dimensional coordinate system to the Earth. [Description] The datum (sometimes termed 'horizontal datum') defines a surface and two locally-orthogonal axes on that surface as the basis for specifying geodetic longitude and geodetic latitude.

allowed values:

Adindan (Burkina Faso)	Adindan (Cameroon)	Adindan (Ethiopia)	Adindan (Mali)
Adindan (mean value)	Adindan (Senegal)	Adindan (Sudan)	Afgooye (Somalia)
Ain el Abd 1970 (Bahrain Island)	Ain el Abd 1970 (Saudi Arabia)	American Samoa Datum 1962	Amersfoort 1885/1903 (Netherlands)
Anna 1 Astro 1965 (Cocos Islands)	Antigua Island Astro 1943	Approximate Luzon Datum (Philippines)	Arc 1935 (Africa)
Arc 1950 (Botswana)	Arc 1950 (Burundi)	Arc 1950 (Lesotho)	Arc 1950 (Malawi)
Arc 1950 (mean value)	Arc 1950 (Swaziland)	Arc 1950 (Zaire)	Arc 1950 (Zambia)
Arc 1950 (Zimbabwe)	Arc 1960 (Kenya)	Arc 1960 (mean value)	Arc 1960 (Tanzania)
Ascension Island 1958 (Ascension Island)	Astro Beacon 'E' (Iwo Jima Island)	Astro DOS 71/4 (St. Helena Island)	Astro Station 1952 (Marcus Island)
Astro Tern Island 1961 (Tern Island, Hawaii)	Australian Geod. 1966 (Australia and Tasmania Island)	Australian Geod. 1984 (Australia and Tasmania Island)	Average Terrestrial System 1977, New Brunswick
Ayabelle Lighthouse (Djibouti)	Bekaa Base South End (Lebanon)	Belgium 1950 System (Lommel Signal, Belgium)	Belgium 1972 (Observatoire d'Uccle)
Bellevue (IGN) (Efate and Erromango Islands)	Bermuda 1957 (Bermuda Islands)	Bern 1898 (Switzerland)	Bern 1898 (Switzerland) with Zero Meridian Bern
Bissau (Guinea-Bissau)	BJZ54 (A954 Beijing Coordinates) (China)	Bogota Observatory (Colombia)	Bogota Observatory (Colombia) with Zero Meridian Bogota
			Campo Inchauspe (Argentina)
Bukit Rimpah (Bangka & Belitung Islands, Indonesia)	Camacupa Base SW End (Campo De Aviação, Angola)	Camp Area Astro (Camp McMurdo Area, Antarctica)	
Canton Astro 1966 (Phoenix Islands)	Cape (South Africa)	Cape Canaveral (mean value)	Carthage (Tunisia)
Chatham 1971 (Chatham Island, New Zealand)	Chua Astro (Paraguay)	Compensation Géoédétique du Québec 1977	Conakry Pyramid of the Service Géographique (Guinea)
			DCS-3 Lighthouse, Saint Lucia, Lesser Antilles
Co-ordinate System 1937 of Estonia	Corrego Alegre (Brazil)	Dabola (Guinea)	Dominica Astro M-12, Dominica, Lesser Antilles
Deception Island, Antarctica	Djakarta (Batavia) (Sumatra Island, Indonesia)	Djakarta (Batavia) (Sumatra Island, Indonesia) with Zero Meridian Djakarta	
		European 1950 (British Isles)	European 1950 (Cyprus)
DOS 1968 (Gizo Island, New Georgia Islands)	Easter Island 1967 (Easter Island)	European 1950 (Greece)	European 1950 (Iran)
European 1950 (Egypt)	European 1950 (England, Channel Islands, Scotland, and Shetland Islands)		
	European 1950 (Malta)	European 1950 (mean value)	European 1950 (Norway and Finland)
European 1950 (Iraq, Israel, Jordan, Kuwait, Lebanon, Saudi Arabia, and Syria)	European 1950 (Sardinia)	European 1950 (Sicily)	European 1950 (Tunisia)
European 1950 (Portugal and Spain)	European 1979 (mean value)	European Terrestrial Reference System 1989 (ETRS89)	Fort Thomas 1955 (Nevis, St Kitts, Leeward Islands)
European 1950 (Western Europe)		GDZ80 (China)	
		Greek Datum, Greece	Geocentric Datum of Australia (GDA)
Gan 1970 (Addu Atoll, Republic of Maldives)	Gandajika Base (Zaire)		Greek Geodetic Reference System 1987 (GGRS 87)
Geodetic Datum 1949 (New Zealand)	Graciosa Base SW (Faial, Graciosa, Pico, Sao Jorge, and Terceira Island, Azores)	Gunong Serindung	GUX 1 Astro (Guadacanal Island)
	Gunong Segara (Kalimantan Island, Indonesia)	Hermannskogel	Hjörsey 1955 (Iceland)
Guam 1963	Herat North (Afghanistan)	Hungarian 1972	Hu-Tzu-Shan
Guyana CSG67	Hong Kong 1963 (Hong Kong)	Indian (Pakistan)	Indian (Thailand and Vietnam)
Hong Kong 1929	Indian (India and Nepal)	Indian 1960 (Vietnam: near 16°N)	Indian 1975 (Thailand)
Indian (Bangladesh)	Indian 1960 (Con Son Island (Vietnam))	Ireland 1965 (Ireland and Northern Ireland)	ISTS 061 Astro 1968 (South Georgia Islands)
Indian 1954 (Thailand)	Indonesian 1974	Kalianpur (India)	Kandawala (Sri Lanka)
Indian 1975 (Thailand) - Cycle 1	Johnston Island 1961 (Johnston Island)	Kertau 1948 (or Revised Kertau) (West Malaysia and Singapore)	KKJ (or Kartastokoordinaattijarjestelmä), Finland
ISTS 073 Astro 1969 (Diego Garcia)	Kerguelen Island 1949 (Kerguelen Island)		
KCS 2, Sierra Leone		Kuwait Oil Company (K28)	L.C. 5 Astro 1961 (Cayman Brac Island)
	Kusaie Astro 1951	Lisbon (Castelo di São Jorge), Portugal	Local Astro
Korean Geodetic System 1995 (South Korea)	Liberia 1964 (Liberia)	Luzon (Philippines except Mindanao Island)	Mahe 1971 (Mahe Island)
Leigon (Ghana)	Luzon (Mindanao Island)	Martinique Fort-Desaix	Massawa (Eritrea, Ethiopia)
Loma Quintana (Venezuela)	Marco Astro (Salvage Islands)	Midway Astro 1961 (Midway Island)	Minna (Cameroon)
Manokwari (West Irian)	Merchich (Morocco)	Montjong Lowe	Montserrat Island Astro 1958
Mayotte Comboni	Modified BJZ54 (China)	Nahrwan (Masirah Island, Oman)	Nahrwan (Saudi Arabia)
Minna (Nigeria)	M'Poraloko (Gabon)	New French or Nouvelle Triangulation Française (NTF) with Zero Meridian Paris	No Information
Mount Dillon, Tobago	Naparima (BWI, Trinidad and Tobago)	North American 1927 (Aleutian Islands East of 180° W)	North American 1927 (Aleutian Islands West of 180° W)
Nahrwan (United Arab Emirates)		North American 1927 (Canal Zone)	North American 1927 (Caribbean)
North American 1927 (Alaska)	North American 1927 (Alberta and British Columbia)		North American 1927 (Eastern US)
			North American 1927 (Newfoundland, New Brunswick, Nova Scotia and Quebec)
North American 1927 (Bahamas, except San Salvador Island)	North American 1927 (Canada mean)		
North American 1927 (Central America)	North American 1927 (CONUS mean)	North American 1927 (Cuba)	
North American 1927 (Hayes Peninsula, Greenland)	North American 1927 (Manitoba and Ontario)	North American 1927 (Mexico)	

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Dataset (Area 00)

North American 1927 (Northwest Territories and Saskatchewan)
 North American 1983 (Alaska, excluding Aleutian Islands)
 North American 1983 (Hawaii)

 Ocotopeque, Guatemala
 Old Hawaiian (Maui)
 Ordnance Survey G.B. 1936 (England)

 Ordnance Survey G.B. 1936 (Wales)
 Padang Base West End (Sumatra, Indonesia) with Zero Meridian Djakarta
 Point 58 Mean Solution (Burkina Faso and Niger)
 Prov. S. American 1956 (Columbia)
 Prov. S. American 1956 (Northern Chile near 19°S)
 Provisional South Chilean 1963 (or Hito XVIII 1963) (S. Chile, 53° S)
 Pulkovo 1942 (Hungary)
 Pulkovo 1942 (Romania)
 Rauenberg (Berlin, Germany)
 Rome 1940 (or Monte Mario 1940), Italy

 Santo (DOS) 1965 (Espirito Santo Island)
 SE Base (Porto Santo) (Porto Santo & Madeira Islands)
 South African (South Africa)
 South American 1969 (Brazil)
 South American 1969 (Guyana)
 South American 1969 (Trinidad and Tobago)

 Soviet Geodetic System 1985
 Sydney Observatory, New South Wales, Australia

 Timbalai 1968
 Tokyo (mean value)
 Viti Levu 1916 (Viti Levu Island, Fiji Islands)
 Voirol 1960, Algeria, with Zero Meridian Paris
 World Geodetic System 1966
 Zanderij (Surinam)

North American 1927 (San Salvador Island)
 North American 1983 (Aleutian Islands)
 North American 1983 (Mexico and Central America))

 Old Egyptian (Egypt)
 Old Hawaiian (mean value)
 Ordnance Survey G.B. 1936 (England, Isle of Man, and Wales)
 Oslo Observatory (Old), Norway
 Palestine 1928 (Israel, Jordan)

 Pointe Noire 1948
 Prov. S. American 1956 (Ecuador)
 Prov. S. American 1956 (Peru)
 Puerto Rico (Puerto Rico and Virgin Islands)

 Pulkovo 1942 (Kazakhstan)
 Pulkovo 1942 (Russia)
 Reconnaissance Triangulation, Morocco
 Rome 1940 (or Monte Mario 1940), Italy, with Zero Meridian Rome
 Sao Braz (Sao Miguel, Santa Maria Islands, Azores)
 Selvagem Grande 1938 (Salvage Islands)

 South American 1969 (Argentina)
 South American 1969 (Chile)
 South American 1969 (mean value)
 South American 1969 (Venezuela)

 Soviet Geodetic System 1990
 Tananarive Observatory 1925

 Tokyo (Japan)
 Tokyo (Okinawa)
 Voirol 1875
 Wake Island Astro 1952
 World Geodetic System 1972

North American 1927 (Western US)
 North American 1983 (Canada)
 North Sahara 1959

 Old Hawaiian (Hawaii)
 Old Hawaiian (Oahu)
 Ordnance Survey G.B. 1936 (mean value)
 Other
 Pico de las Nieves (Canary Islands)

 Potsdam or Helmerdturm (Germany)
 Prov. S. American 1956 (Guyana)
 Prov. S. American 1956 (Southern Chile near 43°S)
 Pulkovo 1942 (Albania)

 Pulkovo 1942 (Latvia)
 Qatar National (Qatar)
 Reunion 1947
 RT90, Stockholm, Sweden

 Sapper Hill 1943 (East Falkland Islands)
 Sierra Leone 1960

 South American 1969 (Baltra, Galapagos Islands)
 South American 1969 (Columbia)
 South American 1969 (Paraguay)
 South American Geocentric Reference System (SIRGAS)
 St. Pierre et Miquelon 1950
 Tananarive Observatory 1925, with Zero Meridian Paris
 Tokyo (Korea)
 Trinidad 1903
 Voirol 1875 with Zero Meridian Paris
 Wake-Eniwetok 1960 (Marshall Islands)
 World Geodetic System 1984

North American 1927 (Yukon)
 North American 1983 (CONUS)
 Observatorio Meteorologico 1939 (Corvo and Flores Islands, Azores)
 Old Hawaiian (Kauai)
 Oman (Oman)
 Ordnance Survey G.B. 1936 (Scotland and Shetland Islands)
 Padang Base West End (Sumatra, Indonesia)
 Pitcairn Astro 1967 (Pitcairn Island)

 Prov. S. American 1956 (Bolivia)
 Prov. S. American 1956 (mean value)
 Prov. S. American 1956 (Venezuela)
 Pulkovo 1942 (Czechoslovakia)

 Pulkovo 1942 (Poland)
 Qornq (South Greenland)
 Revised Nahrwan
 Sainte Anne I 1984 (Guadeloupe)

 Schwarzeck (Namibia)
 S-JTSK, Czechoslovakia (prior to 1 January 1993)

 South American 1969 (Bolivia)
 South American 1969 (Ecuador)
 South American 1969 (Peru)
 South Asia (Southeast Asia, Singapore)

 Stockholm 1938 (Sweden)
 Timbalai 1948 (Brunei and East Malaysia - Sarawak and Sabah)
 Tokyo (Korea) - Cycle 1
 Tristan Astro 1968 (Tristan da Cunha)
 Voirol 1960, Algeria
 World Geodetic System 1960
 Yacare (Uruguay)

Height Vertical Accuracy (90%)	1	-999999	REAL	Metre	0	The difference between a recorded height value and the true height referenced to the same ground level, expressed as a linear error at 90 percent probability. [Description] The height value may, for example, represent the highest point on a feature. The accuracy may also be representative of a set of height values. If the data contains multiple accuracies, usually the worst accuracy which applies to 10% or more of the data is recorded.
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allowed values: -999999

ISO 3166-1 Alpha-3 Code	1	No Information	String	Unitless	14	The International Organization for Standardization (ISO 3166-1) three character code that designates a geopolitical entity (for example: a State). [Description] Also known as the 'alpha-3 code'. ISO changes to 'alpha-3 codes' are triggered by changes in the names of entities.
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allowed values: No Information

Maintenance Date and Time	1	No Information	String	Unitless	20	The date and, optionally, time that maintenance, based on a given Extraction Specification, was completed for the features falling within the geospatial extent of a specified region. [Description] Midnight is understood to be 00:00:00 (the beginning of a day); when the time is not specified then midnight in the local time zone is typically implied.
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allowed values: No Information

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

Restriction Information : Security Attributes Group (resource classification)		1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U							
Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:							
Army Geographic Agency (Netherlands)				Army Geographic Centre (Spain)		Army Geographic Institute (Portugal)	
Defence Acquisition and Logistics Organization (Denmark)				Defence Geographic Centre Intelligence Collection Group (United Kingdom)		Defence Imagery and Geospatial Organisation (Australia)	
General Command of Mapping (Turkey)				Geographic Service (Belgium)		Geographic Service of the Czech Armed Forces (Czech Republic)	
Geospatial Intelligence Organisation (New Zealand)				Hellenic Military Geographic Service (Greece)		Joint Geography Bureau (France)	
Mapping Service (Hungary)				Military Geographic Group (Estonia)		Military Geographic Service (Norway)	
Military Mapping Centre (Lithuania)				Military Topographic Directorate (Romania)		Military Topographic Service (Bulgaria)	
No Information				Other		Swedish Armed Forces (Sweden)	
Topographic Service (Finland)				U.S. Africa Command (USAFRICOM)		U.S. Air Force	
U.S. Army Geospatial Center (AGC)				U.S. Central Command (USCENTCOM)		U.S. Central Intelligence Agency (CIA)	
U.S. Defense Intelligence Agency (DIA)				U.S. Department of Energy (DOE)		U.S. Department of Homeland Security (DHS)	
U.S. European Command (USEUCOM)				U.S. Federal Bureau of Investigation (FBI)		U.S. Geological Survey (USGS)	
U.S. Marine Corps				U.S. National Civil Applications Program (NCAP)		U.S. National Geospatial-Intelligence Agency (NGA)	
U.S. National Reconnaissance Office (NRO)				U.S. National Security Agency (NSA)		U.S. Navy	
U.S. Pacific Command (PACOM)				U.S. Southern Command (USSOUTHCOM)		U.S. Special Operations Command (USSOCOM)	
U.S. Transportation Command (USTRANSCOM)							
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information							
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information							
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information							
Unique Resource Identifier		1	No Information	String	Unitless	254	The globally unique and persistent identifier of a resource (for example: a dataset or a service) instance as specified by a Uniform Resource Identifier (URI) in accordance with the Internet Engineering Task Force (IETF) RFC2396.
allowed values: No Information							
Vertical Datum		1	No Information	Enumeration	Unitless	0	A reference surface with respect to which elevations and/or depths are specified. [Description] The values of elevation (or sometimes equivalently, height) and depth are determined along the direction of the reference surface normal.
allowed values:							
Ground Level				Mean Sea Level (MSL)		National Geodetic Vertical Datum (NGVD) 1929	
North American Vertical Datum (NAVD) 1988				Other		WGS 84 EGM08 Geoid	
WGS 84 Ellipsoid						WGS 84 EGM96 Geoid	

Relationships: Dataset (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
Dataset (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
Dataset (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
Dataset (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
Dataset (Area 00) - is a member of group - Exactly one - CollectionSrf (FeatureGroup 00)

Feature Depression (Area 00)

New ☐ Depression**A sunken place in the terrain that is completely surrounded by higher terrain.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i> -999999						
New Feature Code	1	DB080	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> DB080						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Predominant Feature Depth	1	-999999	REAL	Metre	0	The predominant depth (the depth of at least 50 percent) of the feature.
<i>allowed values:</i> -999999						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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Depression (Area 00)

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)		
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)		
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)		
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)		
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)		
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)		
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)		
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army		
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard		
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State		
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)		
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration		
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)		
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)		
	U.S. Transportation Command (USTRANSCOM)					
<hr/>						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<hr/>						
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<hr/>						
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<hr/>						
allowed values:	No Information					
Surface Slope	1	[-999999, -999999]	REAL_Interval	Percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
<hr/>						
allowed values:	[-999999, -999999]		Closed Interval		Greater-than or Equal Semi-interval	
	Greater-than to Less-than-or-equal Interval		Greater-than-or-equal to Less-than Interval		Less-than or Equal Semi-interval	
	Open Interval				Greater-than Semi-interval	
<hr/>						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<hr/>						
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<hr/>						
allowed values:	-999999					

Relationships: Depression (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Depression (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Depression (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Depression (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Depression (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Depression (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Depression (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Depression (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Depression (Area 00) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup 00)

Feature Depression (Point 00) New ☐ Depression

A sunken place in the terrain that is completely surrounded by higher terrain.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	DB080	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> DB080						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Predominant Feature Depth	1	-999999	REAL	Metre	0	The predominant depth (the depth of at least 50 percent) of the feature.
<u>allowed values:</u> -999999						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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Depression (Point 00)

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)		
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)		
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)		
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)		
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)		
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)		
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)		
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army		
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard		
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State		
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)		
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration		
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)		
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)		
	U.S. Transportation Command (USTRANSCOM)					
<hr/>						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<hr/>						
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<hr/>						
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<hr/>						
allowed values:	No Information					
Surface Slope	1	[-999999, -999999]	REAL_Interval	Percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
<hr/>						
allowed values:	[-999999, -999999]		Closed Interval		Greater-than or Equal Semi-interval	
	Greater-than to Less-than-or-equal Interval		Greater-than-or-equal to Less-than Interval		Less-than or Equal Semi-interval	
	Open Interval				Greater-than Semi-interval	
<hr/>						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<hr/>						
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<hr/>						
allowed values:	-999999					

Relationships: Depression (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Depression (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Depression (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Depression (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Depression (Point 00) - is a member of group - Exactly one - PhysiographyPnt (FeatureGroup 00)
 Depression (Point 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Depression (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature DepthArea (Area 00)New ☐ Depth Area**A water area whose depth is within a defined range of values.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<u>allowed values:</u> -999999						
Depth Curve or Contour Value	1	-999999	Real	Metre		A specified value assigned to a particular depth curve or contour.
<u>allowed values:</u> -999999						
New Feature Code	1	BE019	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BE019						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<u>allowed values:</u> Accurate						
Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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DepthArea (Area 00)

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: DepthArea (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 DepthArea (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 DepthArea (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 DepthArea (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 DepthArea (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)
 DepthArea (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 DepthArea (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature DepthContour (Line 00)

New ☐ Depth Contour

A line connecting points of equal depth at and below the hydrographic datum. [Description] Depth contours follow the rules for contour formation, that is, contours must close on themselves, must be continuous, and must precisely represent the shape of the bottom. Depth contours are usually based on detailed bathymetric information.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Depth Curve or Contour Value	1	-999999	Real	Metre		A specified value assigned to a particular depth curve or contour.

allowed values: -999999

New	Feature Code	1	BE015	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> BE015							
Horizontal Accuracy Category		1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i> Accurate							
Note : Memorandum		1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group (resource classification)		1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U							
Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> <div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div>							
<div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div>							
<div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div>							
<div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>							
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information							
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information							
Unique Entity Identifier		1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information							

Relationships: DepthContour (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 DepthContour (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 DepthContour (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 DepthContour (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 DepthContour (Line 00) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup 00)
 DepthContour (Line 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 DepthContour (Line 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
 DepthContour (Line 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 DepthContour (Line 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature DepthCurve (Area 00)New ☐ Depth Curve

A navigational safety line indicating that no sounding of a lesser depth exists seaward of the line, but greater depths may occur on the shallow side of the line. [Description]
 Depth curves should not be confused with a depth contour. Depth curves are generalised, are biased towards safety of navigation, and do not fully follow the rules for contour formation, that is, contours must close on themselves, must be continuous, and must precisely represent the shape of the bottom.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Hydrographic Vertical Positioning Information : Sounding Metadata : Bathymetric Measurement Quality Category	3	No Information	Enumeration	Unitless	0	A general evaluation of the qualities of a bathymetric measurement, as a category. [Description] Drying heights are typically captured using negative (bathymetric) sounding values; their certainty of measurement may be categorized in the same manner as positive values.
allowed values: Depth Doubtful Least Depth <i>Not Applicable</i> Unconfirmed Depth			Depth Known Maintained Depth <i>Other</i> Unmaintained Depth			Depth Unknown No Bottom Reported Depth Depth Unreliable <i>No Information</i> Safe Clearance Known
Depth Curve or Contour Value : Sounding Metadata : Bathymetric Measurement Technique	3	No Information	Enumeration	Unitless	0	The technique used to determine water depth(s).
allowed values: Area Swept by Side-scan Sonar Computer Generated Electromagnetic Sensor <i>No Information</i> Side-scan Sonar			Area Swept by Vertical Acoustic System <i>Depth Known by Other Than Wire Drag</i> Lead-line <i>Other</i> Singlebeam			Area Swept by Wire-drag Diver Levelling Photogrammetry Underwater Utility Vehicle Bathymetric LiDAR Echo Sounder Multi-beam Echo Sounder Satellite Imagery
Depth Curve or Contour Value	1	-999999	Real	Metre		A specified value assigned to a particular depth curve or contour.
allowed values: -999999						
New Feature Code	1	BE010	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: BE010						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
allowed values: Accurate Precise			Approximate			Doubtful <i>No Information</i>
Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
allowed values: -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: <i>No Information</i>						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						

Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) <i>No Information</i> Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) <i>Other</i> U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	<i>No Information</i>						
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	<i>No Information</i>						
Hydrographic Vertical Positioning Information : Sounding Metadata : Sounding Datum		1	No Information	Enumeration	Unitless	0	The tidal datum to which soundings and drying heights are referenced. [Description] It is usually taken to correspond to a low water stage of the tide.
allowed values:	Approximate Lowest Astronomical Tide Approximate Mean Sea Level High Water Highest Astronomical Tide International Great Lakes Datum 1985 Lower Low Water Lowest Low Water Springs Mean Higher High Water Mean Low Water Springs Mean Tide Level Nearly Lowest Low Water <i>Slant</i>		Approximate Mean Low Water Chart Datum (Unspecified) High Water Springs Highest High Water Local Datum Lower Low Water Large Tide Mean High Water Mean Higher High Water Springs Mean Lower Low Water Mean Water Level <i>No Information</i> Spring Tide		Approximate Mean Low Water Springs <i>Drying Heights</i> Higher High Water Indian Spring High Water Low Water Lowest Astronomical Tide Mean High Water Neaps Mean Low Water Mean Lower Low Water Springs Neap Tide <i>Ordinary</i>		Approximate Mean Lower Low Water Equinoctial Spring Low Water Higher High Water Large Tide Indian Spring Low Water Low Water Springs Lowest Low Water Mean High Water Springs Mean Low Water Neaps Mean Sea Level Nearly Highest High Water <i>Other</i>
Hydrographic Vertical Positioning Information : Sounding Metadata : Sounding Datum Name		1	No Information	String	Unitless	80	The name of the tidal datum to which soundings and drying heights are referenced. [Description] Used when the sounding datum is known but not specified using Attribute: 'Sounding Datum'.
allowed values:	<i>No Information</i>						
Hydrographic Vertical Positioning Information : Sounding Metadata : Sounding Velocity Correction Method		1	No Information	Enumeration	Unitless	0	The method of correction that has been used to correct a sounding velocity instrument reading to obtain the correct depth.
allowed values:	Mathews Tables Sound Velocity Meter		<i>No Information</i> Sounder 1500 Calibrated		<i>Not Applicable</i> Sounder 4800 Calibrated		<i>Other</i> Sounder Other Calibrated

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Hydrographic Vertical Positioning Information : Sounding Metadata : Vessel Draft Correction	1	No Information	Boolean	Unitless	0	An indication that a vessel draft correction has been applied.
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allowed values: False

No Information

True

Relationships: DepthCurve (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 DepthCurve (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 DepthCurve (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 DepthCurve (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 DepthCurve (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)
 DepthCurve (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 DepthCurve (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature DepthCurve (Line 00)

New ☐ Depth Curve

A navigational safety line indicating that no sounding of a lesser depth exists seaward of the line, but greater depths may occur on the shallow side of the line. [Description] Depth curves should not be confused with a depth contour. Depth curves are generalised, are biased towards safety of navigation, and do not fully follow the rules for contour formation, that is, contours must close on themselves, must be continuous, and must precisely represent the shape of the bottom.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Depth Curve or Contour Value : Sounding Metadata : Bathymetric Measurement Quality Category	3	No Information	Enumeration	Unitless	0	A general evaluation of the qualities of a bathymetric measurement, as a category. [Description] Drying heights are typically captured using negative (bathymetric) sounding values; their certainty of measurement may be categorized in the same manner as positive values.
<i>allowed values:</i> Depth Doubtful Least Depth Not Applicable Unconfirmed Depth			Depth Known Maintained Depth Other Unmaintained Depth			Depth Unknown No Bottom Reported Depth Depth Unreliable No Information Safe Clearance Known
Depth Curve or Contour Value : Sounding Metadata : Bathymetric Measurement Technique	3	No Information	Enumeration	Unitless	0	The technique used to determine water depth(s).
<i>allowed values:</i> Area Swept by Side-scan Sonar Computer Generated Electromagnetic Sensor No Information Side-scan Sonar			Area Swept by Vertical Acoustic System Depth Known by Other Than Wire Drag Lead-line Other Singlebeam			Area Swept by Wire-drag Diver Levelling Photogrammetry Underwater Utility Vehicle Bathymetric LiDAR Echo Sounder Multi-beam Echo Sounder Satellite Imagery
Depth Curve or Contour Value	1	-999999	REAL	Metre	0	A specified value assigned to a particular depth curve or contour.
<i>allowed values:</i> -999999						
New Feature Code	1	BE010	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BE010						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.

<i>allowed values:</i> Accurate Precise			Approximate			Doubtful	No Information
Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.	
<i>allowed values:</i> -999999							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i> U							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
<i>allowed values:</i>							
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)	Military Geography Division (Poland)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
No Information			Other			Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force	U.S. Army
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)	U.S. Department of State
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy	U.S. Northern Command (USNORTHCOM)
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
U.S. Transportation Command (USTRANSCOM)							
Restriction Information : Security Attributes Group (resource non- intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group (resource owner- producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
<i>allowed values:</i> No Information							
Depth Curve or Contour Value : Sounding Metadata : Sounding Datum	1	No Information	Enumeration	Unitless	0	The tidal datum to which soundings and drying heights are referenced. [Description] It is usually taken to correspond to a low water stage of the tide.	

allowed values:	Approximate Lowest Astronomical Tide	Approximate Mean Low Water	Approximate Mean Lower Low Water			
	Approximate Mean Sea Level	Chart Datum (Unspecified)	<i>Drying Heights</i>			
	High Water	High Water Springs	Higher High Water			
	Highest Astronomical Tide	Highest High Water	Indian Spring High Water			
	International Great Lakes Datum 1985	Local Datum	Low Water			
	Lower Low Water	Lower Low Water Large Tide	Lowest Astronomical Tide			
	Lowest Low Water Springs	Mean High Water	Mean High Water Neaps			
	Mean Higher High Water	Mean Higher High Water Springs	Mean Low Water			
	Mean Low Water Springs	Mean Lower Low Water	Mean Lower Low Water Springs			
	Mean Tide Level	Mean Water Level	Neap Tide			
	Nearly Lowest Low Water	<i>No Information</i>	<i>Ordinary</i>			
	<i>Slant</i>	Spring Tide	<i>Other</i>			
Depth Curve or Contour Value : Sounding Metadata : Sounding Datum Name	1	No Information	String	Unitless	80	The name of the tidal datum to which soundings and drying heights are referenced. [Description] Used when the sounding datum is known but not specified using Attribute: 'Sounding Datum'.
allowed values:	<i>No Information</i>					
Depth Curve or Contour Value : Sounding Metadata : Sounding Velocity Correction Method	1	No Information	Enumeration	Unitless	0	The method of correction that has been used to correct a sounding velocity instrument reading to obtain the correct depth.
allowed values:	Mathews Tables	<i>No Information</i>		<i>Not Applicable</i>		<i>Other</i>
	Sound Velocity Meter	Sounder 1500 Calibrated		Sounder 4800 Calibrated		Sounder Other Calibrated
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	<i>No Information</i>					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	<i>No Information</i>					
Depth Curve or Contour Value : Sounding Metadata : Vessel Draft Correction	1	No Information	Boolean	Unitless	0	An indication that a vessel draft correction has been applied.
allowed values:	<i>False</i>	<i>No Information</i>		<i>True</i>		

Relationships: DepthCurve (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 DepthCurve (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 DepthCurve (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 DepthCurve (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 DepthCurve (Line 00) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup 00)
 DepthCurve (Line 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 DepthCurve (Line 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature Desert (Area 00)

New ☐ Desert

An arid and treeless uncultivated sparsely populated tract of land.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: <i>-999999</i>						
New Feature Code	1	EE030	CONSTRAINED_ STRING	Unitless	5	Feature Code

allowed values: EE030

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

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999

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

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

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
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allowed values: U

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
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allowed values:

Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
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Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
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allowed values: No Information

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
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allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Terrain Surface Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the surface layer of the terrain.
<u>allowed values:</u>	Bedrock Gravel No Information Soil		Boulders Lava Flow Other		Evaporite Loess Rock	Frozen Water Mud Sand
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Desert (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Desert (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Desert (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Desert (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Desert (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Desert (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Desert (Area 00) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup 00)

Feature DiscolouredWater (Area 00) New ☐ Discoloured Water

A region of water having a colour distinctly different from that of the surrounding region.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	BD030	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BD030						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values: <div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values: -999999						

Relationships: DiscolouredWater (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 DiscolouredWater (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 DiscolouredWater (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 DiscolouredWater (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 DiscolouredWater (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)
 DiscolouredWater (Area 00) - is an extended member of configuration level - Exactly one - TDSLLocal (Feature 00)
 DiscolouredWater (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature DiscolouredWater (Point 00)New ☐ Discoloured Water**A region of water having a colour distinctly different from that of the surrounding region.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Feature Code	1	BD030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BD030						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)			
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)			
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)			
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)			
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)			
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)			
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)			
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army			
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard			
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State			
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)			
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration			
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)			
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)			
	U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information							
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information							
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information							
Unique Entity Identifier		1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information							
Width		1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: DiscolouredWater (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 DiscolouredWater (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 DiscolouredWater (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 DiscolouredWater (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 DiscolouredWater (Point 00) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup 00)
 DiscolouredWater (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 DiscolouredWater (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature DishAerial (Point 00)

New ☐ Dish Aerial

A concave-shaped aerial that is used for emitting and/or sensing electromagnetic energy. [Description] For example, used to transmit and/or receive electronic signals as at a satellite station or to capture electromagnetic energy as in radio astronomy.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AT010	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AT010						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Height of Object	1	-999999	REAL	Metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Fibreglass			Metal			No Information Other
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: DishAerial (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 DishAerial (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 DishAerial (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 DishAerial (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 DishAerial (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 DishAerial (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 DishAerial (Point 00) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup 00)
 DishAerial (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature DisposalSite (Area 00)

New ☐ Disposal Site

A site for the collection and/or deposition of refuse or discarded material.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> No Information Sludge			Other Spoil			Refuse Slag
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AB000	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AB000						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values: False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
allowed values: Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.

allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: DisposalSite (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 DisposalSite (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 DisposalSite (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 DisposalSite (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 DisposalSite (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 DisposalSite (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 DisposalSite (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 DisposalSite (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 DisposalSite (Area 00) - is a member of group - Exactly one - IndustrySrf (FeatureGroup 00)

Feature DisposalSite (Point 00)New ☐ Disposal Site**A site for the collection and/or deposition of refuse or discarded material.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> No Information Sludge			Other Spoil			Refuse Slag
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AB000	CONSTRAINED_ STRING	Unitless	5	Feature Code

allowed values: AB000

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: DisposalSite (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 DisposalSite (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 DisposalSite (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 DisposalSite (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 DisposalSite (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 DisposalSite (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 DisposalSite (Point 00) - is a member of group - Exactly one - IndustryPnt (FeatureGroup 00)

Feature DistanceMark (Point 00)New ☐ Distance Mark

A marker that indicates the value of distance measured from a starting location. [Description] Consists of either a solid visible structure or a distinct location without a special installation.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	ZB036	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> ZB036						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Maritime Navigation Marked	1	No Information	Boolean	Unitless	0	An indication that a feature is significant to maritime safety of navigation and is marked (for example: by a light or beacon) by a maritime-specific navigational aid. [Description] Mariners may also use other prominent features (for example: rotating aeronautical beacons or lighted structures) for informal navigational purposes.
<i>allowed values:</i> FALSE			No Information			TRUE
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
allowed values:	Inland Waterway Railway	No Information	Road	Other	Pedestrian	
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: DistanceMark (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
DistanceMark (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
DistanceMark (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
DistanceMark (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
DistanceMark (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)
DistanceMark (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
DistanceMark (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature Ditch (Area 00)New ☐ Ditch**An artificial waterway with no flow, or a controlled flow, usually unlined, used for draining or irrigating land.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
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	Inland Waterbody Bank (2) : Above Water Bank Slope (second bank)	1	-999999	REAL	Percent	0	The amount of upward inclination between the horizontal surface of the mean water level of a watercourse where it touches the bank and the top of the first usable break in slope, measured at the same point on the upper bank as the military gap width. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
	<i>allowed values:</i> -999999						
	<i>allowed values:</i> -999999						
	Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
	<i>allowed values:</i> -999999						
	Inland Waterbody Bank (1) : Bank Orientation (first bank)	1	No Information	Enumeration	Unitless	0	The relative orientation of a bank of an inland waterbody based on the direction of predominant water flow in the adjacent waterbody.
	<i>allowed values:</i> Indeterminate			Left		No Flow	No Information
	Other			Right			
	<i>allowed values:</i> Indeterminate			Left		No Flow	No Information
	Other			Right			
New	Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<i>allowed values:</i> -999999						
	Covered Drain	1	No Information	Boolean	Unitless	0	An indication that a watercourse section is completely covered over and connects to uncovered watercourses at each end.
	<i>allowed values:</i> False			No Information		True	
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i> -999999						
New	Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
	<i>allowed values:</i> -999999						
	Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
	<i>allowed values:</i> No Information			Non-operational		Not in Operation	Operational
	Partially Operational			Planned		Temporarily Non-operational	
New	Feature Code	1	BH030	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BH030						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
	Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional			Historical Transliterated		Native Transliterated	No Information
	Other			Provisional		Unverified Transliterated	Variant Transliterated
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999						

Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i> Accurate			Approximate			Doubtful No Information
Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i> Dry			Intermittent			No Information Perennial
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
New Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Water Resource Information : pH of Water	1	-999999	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Predominant Average Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i> [-999999, -999999]						
Predominant Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999, -999999]						
Inland Waterbody Bank (1) : Predominant Waterbody Bank Height (first bank)	1	[-999999, -999999]	REAL_Interval	Metre	0	The predominant height (the height of at least 50 percent) of the bank, measured from mean water level to the first break in slope above the mean water level.
<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval
<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval

Inland Waterbody Bank (1) : Predominant Waterbody Bank Slope (first bank)	1	[-999999, -999999]	REAL_Interval	Percent	0	The predominant slope (the slope of at least 50 percent) of the bank, measured from mean water level to the first accessible break in slope above the mean water level. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
allowed values: [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval
allowed values: [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values: Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)			Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)
Restriction Information : Security Attributes Group (resource non- intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner- producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Inland Waterbody Bank (1) : Shoreline Delineated (first bank)	1	No Information	Boolean	Unitless	0	An indication that the delineation of a shoreline is definite. [Description] The delineation of the shoreline along a beach is typically definite whereas along a mangrove swamp it is typically indefinite.
allowed values: False allowed values: False			No Information No Information			True True
Inland Waterbody Bank (2) : Shoreline Type (second bank)	1	No Information	Enumeration	Unitless	0	The physical characteristics of a shoreline.
allowed values: Building Rubble Marshy Sandy			Erosion Rubble Mud Shingly			Ice No Information Stony Mangrove Other

<i>allowed values:</i> Building Rubble Marshy Sandy		Erosion Rubble Mud Shingly		Ice No Information Stony		Mangrove Other	
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information							
New	Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999							
New	Water Resource Information : Temperature	1	-999999	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999							
Terrain Gap Width		1	-999999	REAL	Metre	0	The minimum horizontal bridging distance necessary to cross a channel. [Description] The width is measured perpendicular to the direction of water flow from bank to bank, at the first usable break in slope on each side of the channel above mean high water. Usable banks are those accessible by vehicles; small unusable ledges and cliffs are not considered usable breaks in slopes.
<i>allowed values:</i> -999999							
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999							
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999							
Unique Entity Identifier		1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information							
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	0	The electrical conductivity of water.
<i>allowed values:</i> -999999							
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
<i>allowed values:</i> -999999							
Water Resource Information : Water Potability		1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable				No Information Treatable	Nonpotable		Other
Water Resource Information : Water Type		1	No Information	Enumeration	Unitless	The type of available water based on its composition.	
<i>allowed values:</i> Alkaline Mineral Saline				Brackish No Information Seawater	Brine Not Applicable		Fresh Other
New	Water Resource Information : Water Use	3	No Information	Enumeration	Unitless	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.	

allowed values:	<i>Agricultural Irrigation</i> <i>Institutional</i> <i>Other</i>		<i>Commercial</i> <i>Livestock</i> <i>Power Generation</i>		<i>Domestic Irrigation</i> <i>Municipal</i> <i>Recreational</i>	<i>Industrial</i> <i>No Information</i> <i>Sanitary Domestic</i>
Inland Waterbody Bank (2) : Waterbody Bank Height (second bank)	1	-999999	REAL	Metre	0	The height of the waterbody bank above the average water level.
allowed values:	-999999					
allowed values:	-999999					
Inland Waterbody Bank (2) : Waterbody Bank Vegetation Cover (second bank)	1	[-999999, -999999]	REAL_Interval	Percent	0	The fraction of vegetation cover on the bank of a watercourse.
allowed values:	[-999999, -999999] <i>Greater-than to Less-than-or-equal Interval</i> <i>Open Interval</i>		<i>Closed Interval</i> <i>Greater-than-or-equal to Less-than Interval</i>		<i>Greater-than or Equal Semi-interval</i> <i>Less-than or Equal Semi-interval</i>	<i>Greater-than Semi-interval</i> <i>Less-than Semi-interval</i>
allowed values:	[-999999, -999999] <i>Greater-than to Less-than-or-equal Interval</i> <i>Open Interval</i>		<i>Closed Interval</i> <i>Greater-than-or-equal to Less-than Interval</i>		<i>Greater-than or Equal Semi-interval</i> <i>Less-than or Equal Semi-interval</i>	<i>Greater-than Semi-interval</i> <i>Less-than Semi-interval</i>
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Ditch (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Ditch (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Ditch (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Ditch (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Ditch (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Ditch (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Ditch (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)
 Ditch (Area 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature Ditch (Line 00)

New ☐ Ditch

An artificial waterway with no flow, or a controlled flow, usually unlined, used for draining or irrigating land.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Inland Waterbody Bank (1) : Above Water Bank Slope (first bank)	1	-999999	REAL	Percent	0	The amount of upward inclination between the horizontal surface of the mean water level of a watercourse where it touches the bank and the top of the first usable break in slope, measured at the same point on the upper bank as the military gap width. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: $(h2-h1)/d \times 100$.
allowed values:	-999999					
allowed values:	-999999					
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values:	-999999					
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
allowed values:	-999999					
Inland Waterbody Bank (1) : Bank Orientation (first bank)	1	No Information	Enumeration	Unitless	0	The relative orientation of a bank of an inland waterbody based on the direction of predominant water flow in the adjacent waterbody.

	<i>allowed values:</i> Indeterminate		Left		No Flow	No Information	
	Other		Right				
	<i>allowed values:</i> Indeterminate		Left		No Flow	No Information	
	Other		Right				
New	Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<i>allowed values:</i> -999999						
	Covered Drain	1	No Information	Boolean	Unitless	0	An indication that a watercourse section is completely covered over and connects to uncovered watercourses at each end.
	<i>allowed values:</i> False			No Information		True	
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i> -999999						
New	Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
	<i>allowed values:</i> -999999						
	Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
	<i>allowed values:</i> No Information			Non-operational		Not in Operation	Operational
	Partially Operational			Planned		Temporarily Non-operational	
New	Feature Code	1	BH030	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BH030						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
	Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional			Historical Transliterated		Native Transliterated	No Information
	Other			Provisional		Unverified Transliterated	Variant Transliterated
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999						
	Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
	<i>allowed values:</i> Accurate			Approximate		Doubtful	No Information
	Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<i>allowed values:</i> Dry			Intermittent		No Information	Perennial
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999						

New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<i>allowed values:</i> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
New	Water Resource Information : pH of Water	1	-999999	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<i>allowed values:</i> -999999						
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
	Predominant Average Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average water velocity, exclusive of high water due to runoff or low water due to drought.
	<i>allowed values:</i> [-999999, -999999]						
	Predominant Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	<i>allowed values:</i> [-999999, -999999]						
	Inland Waterbody Bank (1) : Predominant Waterbody Bank Height (first bank)	1	[-999999, -999999]	REAL_Interval	Metre	0	The predominant height (the height of at least 50 percent) of the bank, measured from mean water level to the first break in slope above the mean water level.
	<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval
	<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval
	Inland Waterbody Bank (2) : Predominant Waterbody Bank Slope (second bank)	1	[-999999, -999999]	REAL_Interval	Percent	0	The predominant slope (the slope of at least 50 percent) of the bank, measured from mean water level to the first accessible break in slope above the mean water level. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
	<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval
	<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<i>allowed values:</i> U						

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Inland Waterbody Bank (1) : Shoreline Delineated (first bank)	1	No Information	Boolean	Unitless	0	An indication that the delineation of a shoreline is definite. [Description] The delineation of the shoreline along a beach is typically definite whereas along a mangrove swamp it is typically indefinite.
allowed values:	False		No Information	True		
allowed values:	False		No Information	True		
Inland Waterbody Bank (1) : Shoreline Type (first bank)	1	No Information	Enumeration	Unitless	0	The physical characteristics of a shoreline.
allowed values:	Building Rubble Marshy Sandy		Erosion Rubble Mud Shingly		Ice No Information Stony	
allowed values:	Building Rubble Marshy Sandy		Erosion Rubble Mud Shingly		Ice No Information Stony	
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
New Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
allowed values:	-999999					
New Water Resource Information : Temperature	1	-999999	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
allowed values:	-999999					

	Terrain Gap Width	1	-999999	REAL	Metre	0	The minimum horizontal bridging distance necessary to cross a channel. [Description] The width is measured perpendicular to the direction of water flow from bank to bank, at the first usable break in slope on each side of the channel above mean high water. Usable banks are those accessible by vehicles; small unusable ledges and cliffs are not considered usable breaks in slopes.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<i>allowed values:</i> -999999						
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<i>allowed values:</i> No Information						
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	0	The electrical conductivity of water.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<i>allowed values:</i> -999999						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
	<i>allowed values:</i> Contaminated Potable			No Information Treatable			Nonpotable Other
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless		The type of available water based on its composition.
	<i>allowed values:</i> Alkaline Mineral Saline			Brackish No Information Seawater		Brine Not Applicable	Fresh Other
New	Water Resource Information : Water Use	3	No Information	Enumeration	Unitless		The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.
	<i>allowed values:</i> Agricultural Irrigation Institutional Other			Commercial Livestock Power Generation		Domestic Irrigation Municipal Recreational	Industrial No Information Sanitary Domestic
	Inland Waterbody Bank (2) : Waterbody Bank Height (second bank)	1	-999999	REAL	Metre	0	The height of the waterbody bank above the average water level.
	<i>allowed values:</i> -999999						
	<i>allowed values:</i> -999999						
	Inland Waterbody Bank (1) : Waterbody Bank Vegetation Cover (first bank)	1	[-999999, -999999]	REAL_Interval	Percent	0	The fraction of vegetation cover on the bank of a watercourse.
	<i>allowed values:</i> [-999999, -999999]			Closed Interval		Greater-than or Equal Semi-interval	Greater-than Semi-interval
	Greater-than to Less-than-or-equal Interval			Greater-than-or-equal to Less-than Interval		Less-than or Equal Semi-interval	Less-than Semi-interval
	Open Interval						

allowed values: [-999999, -999999]
 Greater-than to Less-than-or-equal Interval
 Open Interval

Closed Interval
 Greater-than-or-equal to Less-than Interval

Greater-than or Equal Semi-interval
 Less-than or Equal Semi-interval

Greater-than Semi-interval
 Less-than Semi-interval

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Ditch (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Ditch (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Ditch (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Ditch (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Ditch (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Ditch (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Ditch (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Ditch (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Ditch (Line 00) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup 00)

Feature Dolphin (Point 00)

New ☐ Dolphin

A post or group of posts used for mooring, warping a ship or as an aid to navigation.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
allowed values: -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	BB080	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: BB080						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.

allowed values: *Damaged*
No Information
Unmaintained

Destroyed
Ruined

Dismantled
Site Preparation

Intact
Under Construction

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: <i>U</i>						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) <i>No Information</i> Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)					
	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) <i>Other</i> U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)					
	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)					
	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: <i>No Information</i>						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: <i>No Information</i>						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: <i>No Information</i>						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: <i>No Information</i>						
Relationships: Dolphin (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00) Dolphin (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00) Dolphin (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00) Dolphin (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00) Dolphin (Point 00) - is a member of group - Exactly one - PortHarbourPnt (FeatureGroup 00) Dolphin (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00) Dolphin (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)						

Feature DragonsTeeth (Area 00)

New ☐ Dragon's Teeth

Upward-pointing obstacles laid in the ground to slow or stop the movement of vehicles. [Description] Typically constructed of regularly spaced concrete or metal shapes laid in single or multiple rows.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AL060	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL060						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
allowed values:	Composition Other		Concrete Steel			Masonry Stone No Information
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: DragonsTeeth (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 DragonsTeeth (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 DragonsTeeth (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 DragonsTeeth (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 DragonsTeeth (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 DragonsTeeth (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 DragonsTeeth (Area 00) - is a member of group - Exactly one - MilitarySrf (FeatureGroup 00)

Feature DragonsTeeth (Line 00)New ☐ Dragon's Teeth

Upward-pointing obstacles laid in the ground to slow or stop the movement of vehicles. [Description] Typically constructed of regularly spaced concrete or metal shapes laid in single or multiple rows.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AL060	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL060						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
allowed values:	Composition Other		Concrete Steel			Masonry Stone No Information
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: DragonsTeeth (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 DragonsTeeth (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 DragonsTeeth (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 DragonsTeeth (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 DragonsTeeth (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 DragonsTeeth (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 DragonsTeeth (Line 00) - is a member of group - Exactly one - MilitaryCrv (FeatureGroup 00)
 DragonsTeeth (Line 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature DredgedArea (Area 00) New ☐ Dredged Area

An area of the bottom of a body of water (for example: a channel) which has been deepened by dredging.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Hydrographic Depth : Sounding Metadata : Bathymetric Measurement Quality Category	3	No Information	Enumeration	Unitless	0	A general evaluation of the qualities of a bathymetric measurement, as a category. [Description] Drying heights are typically captured using negative (bathymetric) sounding values; their certainty of measurement may be categorized in the same manner as positive values.
<i>allowed values:</i> Depth Doubtful Least Depth <i>Not Applicable</i> Unconfirmed Depth			Depth Known Maintained Depth <i>Other</i> Unmaintained Depth			Depth Unreliable <i>No Information</i> Safe Clearance Known
Hydrographic Depth : Sounding Metadata : Bathymetric Measurement Technique	3	No Information	Enumeration	Unitless	0	The technique used to determine water depth(s).
<i>allowed values:</i> Area Swept by Side-scan Sonar Computer Generated Lead-line <i>Other</i> Singlebeam			Area Swept by Vertical Acoustic System Diver Levelling Photogrammetry Underwater Utility Vehicle			Bathymetric LiDAR Electromagnetic Sensor <i>No Information</i> Side-scan Sonar
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National State			Joint Military and Civilian <i>No Information</i>			Military <i>Other</i> Municipal Province
Description of Aids to Navigation	1	No Information	String	Unitless	2E+09	Textual description of aids to navigation marking a feature. [Description] For example, 'marked by buoys'.
<i>allowed values:</i> <i>No Information</i>						
<i>New</i> Feature Code	1	FC034	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> FC034						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> <i>No Information</i>						
Hydrographic Depth	1	-999999	REAL	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999						
Maintained	1	No Information	Boolean	Unitless	0	An indication that a feature is maintained.
allowed values: False						
Maritime Navigation Marked	1	No Information	Boolean	Unitless	0	An indication that a feature is significant to maritime safety of navigation and is marked (for example: by a light or beacon) by a maritime-specific navigational aid. [Description] Mariners may also use other prominent features (for example: rotating aeronautical beacons or lighted structures) for informal navigational purposes.
allowed values: FALSE						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)		Army Geographic Institute (Portugal)	
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)		Defence Imagery and Geospatial Organisation (Australia)	
General Command of Mapping (Turkey)			Geographic Service (Belgium)		Geographic Service of the Czech Armed Forces (Czech Republic)	
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)		Joint Geography Bureau (France)	
Mapping Service (Hungary)			Military Geographic Group (Estonia)		Military Geographic Service (Norway)	
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)		Military Topographic Service (Bulgaria)	
No Information			Other		Swedish Armed Forces (Sweden)	
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)		U.S. Air Force	
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)		U.S. Central Intelligence Agency (CIA)	
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)		U.S. Department of Homeland Security (DHS)	
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)		U.S. Geological Survey (USGS)	
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)		U.S. National Geospatial-Intelligence Agency (NGA)	
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)		U.S. Navy	
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)		U.S. Special Operations Command (USSOCOM)	
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						

Hydrographic Depth : Sounding Metadata : Sounding Datum	1	No Information	Enumeration	Unitless	0	The tidal datum to which soundings and drying heights are referenced. [Description] It is usually taken to correspond to a low water stage of the tide.
<div><div>allowed values:</div><div><div>Approximate Lowest Astronomical Tide</div><div>Approximate Mean Sea Level</div><div>High Water Springs</div><div>Highest High Water</div><div>Local Datum</div><div>Lower Low Water Large Tide</div><div>Mean High Water</div><div>Mean Higher High Water Springs</div><div>Mean Lower Low Water</div><div>Mean Water Level</div><div>No Information</div></div><div><div>Approximate Mean Low Water</div><div>Chart Datum (Unspecified)</div><div>Higher High Water</div><div>Indian Spring High Water</div><div>Low Water</div><div>Lowest Astronomical Tide</div><div>Mean High Water Neaps</div><div>Mean Low Water</div><div>Mean Lower Low Water Springs</div><div>Neap Tide</div><div>Other</div></div><div><div>Approximate Mean Low Water Springs</div><div>Equinoctial Spring Low Water</div><div>Higher High Water Large Tide</div><div>Indian Spring Low Water</div><div>Low Water Springs</div><div>Lowest Low Water</div><div>Mean High Water Springs</div><div>Mean Low Water Neaps</div><div>Mean Sea Level</div><div>Nearly Highest High Water</div><div>Spring Tide</div></div><div><div>Approximate Mean Lower Low Water</div><div>High Water</div><div>Highest Astronomical Tide</div><div>International Great Lakes Datum 1985</div><div>Lower Low Water</div><div>Lowest Low Water Springs</div><div>Mean Higher High Water</div><div>Mean Low Water Springs</div><div>Mean Tide Level</div><div>Nearly Lowest Low Water</div></div></div>						
Hydrographic Depth : Sounding Metadata : Sounding Datum Name	1	No Information	String	Unitless	80	The name of the tidal datum to which soundings and drying heights are referenced. [Description] Used when the sounding datum is known but not specified using Attribute: 'Sounding Datum'.
<div><div>allowed values:</div><div>No Information</div></div>						
Hydrographic Depth : Sounding Metadata : Sounding Velocity Correction Method	1	No Information	Enumeration	Unitless	0	The method of correction that has been used to correct a sounding velocity instrument reading to obtain the correct depth.
<div><div>allowed values:</div><div><div>Mathews Tables</div><div>Sound Velocity Meter</div></div><div><div>No Information</div><div>Sounder 1500 Calibrated</div></div><div><div>Not Applicable</div><div>Sounder 4800 Calibrated</div></div><div><div>Other</div><div>Sounder Other Calibrated</div></div></div>						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<div><div>allowed values:</div><div>No Information</div></div>						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<div><div>allowed values:</div><div>No Information</div></div>						
Hydrographic Depth : Sounding Metadata : Vessel Draft Correction	1	No Information	Boolean	Unitless	0	An indication that a vessel draft correction has been applied.
<div><div>allowed values:</div><div>False</div></div>						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<div><div>allowed values:</div><div>-999999</div></div>						

Relationships: DredgedArea (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
DredgedArea (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
DredgedArea (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
DredgedArea (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
DredgedArea (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)
DredgedArea (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
DredgedArea (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature DriveInTheatre (Area 00)

New ☐ Drive-in Theatre

A place where motion pictures are shown while viewers remain in their vehicles.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AK070	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK070						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Amusement Meeting Place Restroom			Cinema No Information			Convenience Store Other Emergency Operations Recreation
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True

New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> <i>Damaged</i> <i>Destroyed</i> <i>Dismantled</i> <i>Intact</i> <i>No Information</i> <i>Ruined</i> <i>Site Preparation</i> <i>Under Construction</i> <i>Unmaintained</i>							
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> <i>U</i>							
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Army Geographic Centre (Spain) Army Geographic Institute (Portugal) Bundeswehr Geoinformation Office (Germany) Defence Acquisition and Logistics Organization (Denmark) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Defence Imagery and Geospatial Organisation (Australia) Defense Information Security (Italy) General Command of Mapping (Turkey) Geographic Service (Belgium) Geographic Service of the Czech Armed Forces (Czech Republic) Geospatial Information Agency (Latvia) Geospatial Intelligence Organisation (New Zealand) Hellenic Military Geographic Service (Greece) Joint Geography Bureau (France) Mapping and Charting Establishment (Canada) Mapping Service (Hungary) Military Geographic Group (Estonia) Military Geographic Service (Norway) Military Geography Division (Poland) Military Mapping Centre (Lithuania) Military Topographic Directorate (Romania) Military Topographic Service (Bulgaria) National Army Topographic Service (Moldova) <i>No Information</i> <i>Other</i> Swedish Armed Forces (Sweden) Topographic Institute (Slovakia) Topographic Service (Finland) U.S. Africa Command (USAFRICOM) U.S. Air Force U.S. Army U.S. Army Geospatial Center (AGC) U.S. Central Command (USCENTCOM) U.S. Central Intelligence Agency (CIA) U.S. Coast Guard U.S. Defense Intelligence Agency (DIA) U.S. Department of Energy (DOE) U.S. Department of Homeland Security (DHS) U.S. Department of State U.S. European Command (USEUCOM) U.S. Federal Bureau of Investigation (FBI) U.S. Geological Survey (USGS) U.S. Joint Forces Command (USJFCOM) U.S. Marine Corps U.S. National Civil Applications Program (NCAP) U.S. National Geospatial-Intelligence Agency (NGA) U.S. National Oceanic and Atmospheric Administration U.S. National Reconnaissance Office (NRO) U.S. National Security Agency (NSA) U.S. Navy U.S. Northern Command (USNORTHCOM) U.S. Pacific Command (PACOM) U.S. Southern Command (USSOUTHCOM) U.S. Special Operations Command (USSOCOM) U.S. Strategic Command (USSTRATCOM) U.S. Transportation Command (USTRANSCOM)							
	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> <i>No Information</i>							
	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> <i>No Information</i>							
	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> <i>No Information</i>							
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> <i>No Information</i>							
	Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: DriveInTheatre (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 DriveInTheatre (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 DriveInTheatre (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 DriveInTheatre (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 DriveInTheatre (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 DriveInTheatre (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 DriveInTheatre (Area 00) - is a member of group - Exactly one - RecreationSrf (FeatureGroup 00)

Feature DryDock (Area 00)New ☐ Dry Dock**An artificial basin fitted with a gate or caisson into which vessels can be floated and the water pumped out to expose the bottom of the vessel.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BB090	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BB090						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
New Maximum Water Depth	1	-999999	Real	Metre		Maximum water depth the object was designed to hold.

<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information True						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged Destroyed Dismantled Intact No Information Ruined Site Preparation Under Construction Unmaintained						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Army Geographic Centre (Spain) Army Geographic Institute (Portugal) Bundeswehr Geoinformation Office (Germany) Defence Acquisition and Logistics Organization (Denmark) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Defence Imagery and Geospatial Organisation (Australia) Defense Information Security (Italy) General Command of Mapping (Turkey) Geographic Service (Belgium) Geographic Service of the Czech Armed Forces (Czech Republic) Geospatial Information Agency (Latvia) Geospatial Intelligence Organisation (New Zealand) Hellenic Military Geographic Service (Greece) Joint Geography Bureau (France) Mapping and Charting Establishment (Canada) Mapping Service (Hungary) Military Geographic Group (Estonia) Military Geographic Service (Norway) Military Geography Division (Poland) Military Mapping Centre (Lithuania) Military Topographic Directorate (Romania) Military Topographic Service (Bulgaria) National Army Topographic Service (Moldova) No Information Other Swedish Armed Forces (Sweden) Topographic Institute (Slovakia) Topographic Service (Finland) U.S. Africa Command (USAFRICOM) U.S. Air Force U.S. Army U.S. Army Geospatial Center (AGC) U.S. Central Command (USCENTCOM) U.S. Central Intelligence Agency (CIA) U.S. Coast Guard U.S. Defense Intelligence Agency (DIA) U.S. Department of Energy (DOE) U.S. Department of Homeland Security (DHS) U.S. Department of State U.S. European Command (USEUCOM) U.S. Federal Bureau of Investigation (FBI) U.S. Geological Survey (USGS) U.S. Joint Forces Command (USJFCOM) U.S. Marine Corps U.S. National Civil Applications Program (NCAP) U.S. National Geospatial-Intelligence Agency (NGA) U.S. National Oceanic and Atmospheric Administration U.S. National Reconnaissance Office (NRO) U.S. National Security Agency (NSA) U.S. Navy U.S. Northern Command (USNORTHCOM) U.S. Pacific Command (PACOM) U.S. Southern Command (USSOUTHCOM) U.S. Special Operations Command (USSOCOM) U.S. Strategic Command (USSTRATCOM) U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						

Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i>	Boulders No Information Rock Treated Timber		Concrete Other Rubble Wood			Masonry Prestressed Concrete Soil Metal Reinforced Concrete Steel
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i>	No Information					
Usable Length	1	-999999	REAL	Metre	0	The interior length of a structure (for example: an aircraft bunker or a lock). [Description] The length is taken along the primary alignment of the structure. If the structure is irregular in shape the length is along its greatest horizontal dimension, else if the structure is regular in shape then a shape-specific rule may apply: for a rectangular structure, the length of the longer axis; for a round structure, the diameter.
<i>allowed values:</i>	-999999					
Usable Width	1	-999999	REAL	Metre	0	The interior width of a structure. [Description] For example, an aircraft bunker or a lock.
<i>allowed values:</i>	-999999					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: DryDock (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 DryDock (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 DryDock (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 DryDock (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 DryDock (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 DryDock (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 DryDock (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 DryDock (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 DryDock (Area 00) - is a member of group - Exactly one - PortHarbourSrf (FeatureGroup 00)

Feature ElectricPowerStation (Area 00)New ☐ Electric Power Station

A facility including one or more buildings and equipment used for electric power generation. [Description] An electric power station consists of one or more power generating units, each consisting of the full set of equipment required to generate power and capable of independent operation. The power generating units are located on one or more contiguous or adjacent properties, are under the common control of the same entity and supply power through a common connection to the electric grid. Electric power stations most commonly are used to generate electricity for long distance transmission.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i>	No Information					
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i>	-999999					
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i>	No Information Partially Operational		Non-operational Planned			Not in Operation Temporarily Non-operational Operational

New	Feature Code	1	AD010	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u>	AD010					
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u>	No Information					
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u>	-999999					
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u>	-999999					
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u>	-999999					
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u>	No Information					
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u>	No Information					
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u>	False		No Information		True	
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<u>allowed values:</u>	Damaged		Destroyed		Dismantled	
		No Information		Ruined		Site Preparation	
		Unmaintained				Intact	
						Under Construction	
New	Power Source	3	No Information	Enumeration	Unitless	0	The energy source(s) employed to generate power for off-site distribution.
	<u>allowed values:</u>	Geothermal		Hydro-electric		No Information	
		Other		Thermal		Tidal	
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<u>allowed values:</u>	U					
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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ElectricPowerStation (Area 00)

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
allowed values:	Brick Metal Reinforced Concrete		Concrete No Information Steel		Iron Other Stone	Masonry Prestressed Concrete Wood
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: ElectricPowerStation (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 ElectricPowerStation (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 ElectricPowerStation (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 ElectricPowerStation (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 ElectricPowerStation (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 ElectricPowerStation (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 ElectricPowerStation (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 ElectricPowerStation (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 ElectricPowerStation (Area 00) - is a member of group - Exactly one - UtilityInfrastructureSrf (FeatureGroup 00)

Feature ElectricPowerStation (Point 00)New ☐ Electric Power Station

A facility including one or more buildings and equipment used for electric power generation. [Description] An electric power station consists of one or more power generating units, each consisting of the full set of equipment required to generate power and capable of independent operation. The power generating units are located on one or more contiguous or adjacent properties, are under the common control of the same entity and supply power through a common connection to the electric grid. Electric power stations most commonly are used to generate electricity for long distance transmission.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AD010	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AD010						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						

Geographic Name Information : Name Identifier		1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.			
<i>allowed values:</i> No Information										
Navigation Landmark		1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.			
<i>allowed values:</i> False				No Information			True			
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.			
	<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction			
New	Power Source	3	No Information	Enumeration	Unitless	0	The energy source(s) employed to generate power for off-site distribution.			
	<i>allowed values:</i> Geothermal Other			Hydro-electric Thermal		No Information Tidal	Nuclear			
Restriction Information : Security Attributes Group (resource classification)		1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.			
<i>allowed values:</i> U										
Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.			
<i>allowed values:</i>				Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.			
<i>allowed values:</i> No Information										
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.			
<i>allowed values:</i> No Information										
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.			
<i>allowed values:</i> No Information										

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
allowed values: Brick Metal Reinforced Concrete						
Concrete No Information Steel						
Iron Other Stone						
Masonry Prestressed Concrete Wood						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: ElectricPowerStation (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 ElectricPowerStation (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 ElectricPowerStation (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 ElectricPowerStation (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 ElectricPowerStation (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 ElectricPowerStation (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 ElectricPowerStation (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 ElectricPowerStation (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 ElectricPowerStation (Point 00) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup 00)

Feature ElevationContour (Line 00)New ☐ Elevation Contour**A line connecting points having the same elevation value relative to a vertical datum.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Elevation Surface Category	1	No Information	Enumeration	Unitless	0	The category of surface for which an elevation is determined.
allowed values: Inland Water Vegetation						
Land Water						
No Information						
Snow Field and/or Ice-field						
New Feature Code	1	CA010	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: CA010						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
allowed values: -999999						
Hypsography Portrayal Type	1	No Information	Enumeration	Unitless	0	The type of a hypsographic portrayal line (for example: a contour line) based on the topography represented and/or portrayal interval. [Description] A contour line is an imaginary line on the ground connecting an infinite number of points of equal elevation. The vertical measurement between two contour lines is called the contour interval. Contour lines are numbered to indicate the elevation value of the contour line.

allowed values:	Approximate Auxiliary Contour Approximate Index Contour Connector Line Form Line Intermediate Carrying Contour No Information		Approximate Depression Auxiliary Contour Approximate Intermediate Contour Depression Auxiliary Contour Half Auxiliary Contour Intermediate Contour Other		Approximate Depression Index Contour Auxiliary Carrying Contour Depression Index Contour Index Carrying Contour Mound Index Contour Quarter Auxiliary Contour		Approximate Depression Intermediate Contour Auxiliary Contour Depression Intermediate Contour Index Contour Mound Intermediate Contour Transition Line
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
allowed values:	No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
allowed values:	U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:	No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values:	No Information						

Relationships: ElevationContour (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 ElevationContour (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 ElevationContour (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 ElevationContour (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 ElevationContour (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 ElevationContour (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 ElevationContour (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 ElevationContour (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 ElevationContour (Line 00) - is a member of group - Exactly one - HypsographyCrv (FeatureGroup 00)

Feature Embankment (Area 00) New ☐ Embankment

A man-made raised long mound of earth or other material.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Embankment Type	1	No Information	Enumeration	Unitless	0	The type of an embankment based on its use and/or relationship to the surrounding terrain.
<i>allowed values:</i> Divider Mound			Dyke No Information			Fill Other Levee
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	DB090	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> DB090						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Grading Type	1	No Information	Enumeration	Unitless	0	The number of terrain feature sides on which either fill or cut material is exposed. [Description] For example, along two sides of a road that is both cut into the side of a hill and supported by fill on the downslope.
<i>allowed values:</i> Many Sides Other			No Information Two Sides			No Sides One Side
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information							
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
<i>allowed values:</i> FalseNo InformationTrue							
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.	
<i>allowed values:</i> DamagedDestroyedDismantledIntactNo InformationRuinedSite PreparationUnder ConstructionUnmaintained							
Predominant Feature Height	1	-999999	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).	
<i>allowed values:</i> -999999							
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i> U							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
<i>allowed values:</i> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)							
Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)							
Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)							
Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)							
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
<i>allowed values:</i> No Information							
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	

<i>allowed values:</i>	No Information					
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i>	Boulders Masonry Rubble		Concrete No Information Soil		Gravel Other	Lava Rock
Surface Slope	1	[-999999, -999999]	REAL_Interval	Percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
<i>allowed values:</i>	[-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval		Closed Interval Greater-than-or-equal to Less-than Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval	Greater-than Semi-interval Less-than Semi-interval
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i>	Aqueduct Other		Canal Pipeline		No Information Railway	No Transportation System Road
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i>	No Information					
Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.
<i>allowed values:</i>	Always Dry Covers and Uncovers Partly Submerged		Always Submerged No Information		Awash at Chart Datum Not Applicable	Awash at Low Water Other
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i>	-999999					

Relationships: Embankment (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Embankment (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Embankment (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Embankment (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Embankment (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Embankment (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Embankment (Area 00) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup 00)

Feature Embankment (Line 00)

New ☐ Embankment

A man-made raised long mound of earth or other material.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i>	-999999					
Embankment Type	1	No Information	Enumeration	Unitless	0	The type of an embankment based on its use and/or relationship to the surrounding terrain.

	<i>allowed values:</i> Divider Mound			Dyke No Information			Fill Other	Levee
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.		
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational	Operational	
New Feature Code	1	DB090	CONSTRAINED_ STRING	Unitless	5	Feature Code		
<i>allowed values:</i> DB090								
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.		
<i>allowed values:</i> No Information								
Grading Type	1	No Information	Enumeration	Unitless	0	The number of terrain feature sides on which either fill or cut material is exposed. [Description] For example, along two sides of a road that is both cut into the side of a hill and supported by fill on the downslope.		
<i>allowed values:</i> Many Sides Other			No Information Two Sides			No Sides	One Side	
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.		
<i>allowed values:</i> -999999								
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.		
<i>allowed values:</i> -999999								
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.		
<i>allowed values:</i> -999999								
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.		
<i>allowed values:</i> No Information								
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.		
<i>allowed values:</i> No Information								
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.		
<i>allowed values:</i> False			No Information			True		
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.		
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation	Intact Under Construction	
Predominant Feature Height	1	-999999	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).		
<i>allowed values:</i> -999999								

Restriction Information : Security Attributes Group (resource classification)		1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U							
Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>							
	Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)		Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)		Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)			Geographic Service (Belgium)		Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)		Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)			Military Geographic Group (Estonia)		Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)		Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information			Other		Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)		U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)		U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)		U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)		U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)		U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)		U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)		U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information							
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information							
Structural Material Type		3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i>							
	Boulders			Concrete		Gravel	Lava
	Masonry			No Information		Other	Rock
	Rubble			Soil			
Surface Slope		1	[-999999, -999999]	REAL_Interval	Percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
<i>allowed values:</i> [-999999, -999999]				Closed Interval		Greater-than or Equal Semi-interval	Greater-than Semi-interval
	Greater-than to Less-than-or-equal Interval			Greater-than-or-equal to Less-than Interval		Less-than or Equal Semi-interval	Less-than Semi-interval
	Open Interval						
Transportation System Type		3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i>							
	Aqueduct			Canal		No Information	No Transportation System
	Other			Pipeline		Railway	Road

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.
<i>allowed values:</i>	Always Dry Covers and Uncovers Partly Submerged		Always Submerged No Information		Awash at Chart Datum <i>Not Applicable</i>	Awash at Low Water Other

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Embankment (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
Embankment (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
Embankment (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
Embankment (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
Embankment (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
Embankment (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
Embankment (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
Embankment (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
Embankment (Line 00) - is a member of group - Exactly one - PhysiographyCrv (FeatureGroup 00)

Feature EngineeredEarthwork (Area 00)

New ☐ Engineered Earthwork

An excavation and/or embankment created by remolding the natural configuration of the terrain for the purpose of enhancing the defense of a site from armed attack.

[Description] The earthwork may include ancillary elements (for example: a palisade) or reinforcements (for example: a concrete facing).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999

New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
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allowed values: -999999

Engineered Earthwork Type	1	No Information	Enumeration	Unitless	0	The type of an excavation and/or embankment created for the purpose of enhancing the defense of a site from armed attack.
<i>allowed values:</i>	Battery Other		Military Parapet Rampart		Military Trench Redoubt	No Information

Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i>	No Information <i>Partially Operational</i>		Non-operational Planned		Not in Operation Temporarily Non-operational	<i>Operational</i>

New Feature Code	1	AH025	CONSTRAINED_ STRING	Unitless	5	Feature Code
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allowed values: AH025

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

New	Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The type of designated hazard protection shelter based on the kind of emergency. [Description] These shelters may be inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
	<i>allowed values:</i>						<i>Bomb Shelter</i> <i>Fallout Shelter</i> <i>No Information</i> <i>Storm Shelter</i> <i>Other</i>
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i>						<i>-999999</i>
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i>						<i>No Information</i>
	Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).
	<i>allowed values:</i>						<i>Air Force</i> <i>Marines</i> <i>Army</i> <i>Navy</i> <i>Coastguard</i> <i>No Information</i> <i>Joint</i> <i>Other</i>
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i>						<i>No Information</i>
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i>						<i>False</i> <i>No Information</i> <i>True</i>
	Permanent	1	No Information	Boolean	Unitless	0	An indication that a feature is permanent. [Description] Temporary features last, or are meant to last, for a limited time only.
	<i>allowed values:</i>						<i>FALSE</i> <i>No Information</i> <i>TRUE</i>
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<i>allowed values:</i>						<i>Damaged</i> <i>No Information</i> <i>Unmaintained</i> <i>Destroyed</i> <i>Ruined</i> <i>Dismantled</i> <i>Site Preparation</i> <i>Intact</i> <i>Under Construction</i>
	Predominant Feature Height	1	-999999	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).
	<i>allowed values:</i>						<i>-999999</i>
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<i>allowed values:</i>						<i>U</i>
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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EngineeredEarthwork (Area 00)

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)		
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)		
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)		
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)		
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)		
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)		
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)		
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army		
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard		
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State		
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)		
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration		
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)		
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)		
	U.S. Transportation Command (USTRANSCOM)					
<hr/>						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
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allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<hr/>						
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<hr/>						
allowed values:	No Information					
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
allowed values:	Boulders Masonry Wood	Brick No Information	Concrete Other	Earthen Reinforced Concrete		
<hr/>						
Terrain Gap Width	1	-999999	REAL	Metre	0	The minimum horizontal bridging distance necessary to cross a channel. [Description] The width is measured perpendicular to the direction of water flow from bank to bank, at the first usable break in slope on each side of the channel above mean high water. Usable banks are those accessible by vehicles; small unusable ledges and cliffs are not considered usable breaks in slopes.
<hr/>						
allowed values:	-999999					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<hr/>						
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<hr/>						
allowed values:	-999999					

Relationships: EngineeredEarthwork (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 EngineeredEarthwork (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 EngineeredEarthwork (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 EngineeredEarthwork (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 EngineeredEarthwork (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 EngineeredEarthwork (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 EngineeredEarthwork (Area 00) - is a member of group - Exactly one - MilitarySrf (FeatureGroup 00)

Feature EngineeredEarthwork (Line 00)New ☐ Engineered Earthwork

An excavation and/or embankment created by remolding the natural configuration of the terrain for the purpose of enhancing the defense of a site from armed attack.

[Description] The earthwork may include ancillary elements (for example: a palisade) or reinforcements (for example: a concrete facing).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i> -999999						
Engineered Earthwork Type	1	No Information	Enumeration	Unitless	0	The type of an excavation and/or embankment created for the purpose of enhancing the defense of a site from armed attack.
<i>allowed values:</i> Battery Other			Military Parapet Rampart			Military Trench Redoubt No Information
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AH025	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AH025						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The type of designated hazard protection shelter based on the kind of emergency. [Description] These shelters may be inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
<i>allowed values:</i> Bomb Shelter Storm Shelter			Fallout Shelter			No Information Other
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).
<i>allowed values:</i> Air Force Marines			Army Navy			Coastguard No Information Joint Other
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.

<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Permanent	1	No Information	Boolean	Unitless	0	An indication that a feature is permanent. [Description] Temporary features last, or are meant to last, for a limited time only.
<i>allowed values:</i> FALSE			No Information			TRUE
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Predominant Feature Height	1	-999999	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).
<i>allowed values:</i> -999999						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.

<i>allowed values:</i>	Boulders Masonry Wood		Brick No Information		Concrete Other	<i>Earthen</i> Reinforced Concrete
Terrain Gap Width	1	-999999	REAL	Metre	0	The minimum horizontal bridging distance necessary to cross a channel. [Description] The width is measured perpendicular to the direction of water flow from bank to bank, at the first usable break in slope on each side of the channel above mean high water. Usable banks are those accessible by vehicles; small unusable ledges and cliffs are not considered usable breaks in slopes.
<i>allowed values:</i>	-999999					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i>	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: EngineeredEarthwork (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 EngineeredEarthwork (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 EngineeredEarthwork (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 EngineeredEarthwork (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 EngineeredEarthwork (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 EngineeredEarthwork (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 EngineeredEarthwork (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 EngineeredEarthwork (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 EngineeredEarthwork (Line 00) - is a member of group - Exactly one - MilitaryCrv (FeatureGroup 00)

Feature EngineTestCell (Area 00)New ☐ Engine Test Cell

A structure wherein aircraft or rocket engines are tested. [Description] The most common test cells are used for testing the performance characteristics of jet engines and are typically located at military aerodromes or aerospace research and development facilities. Test cells for liquid-fueled rocket booster engines are unique, massive structures (for example: the test cell located at Stennis Space Flight Center in the U.S.).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i>	<i>False</i>		No Information			<i>True</i>
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i>	-999999					
Engine Test Cell Type	1	No Information	Enumeration	Unitless	0	The type of an engine test cell based on the purpose for which it was designed.
<i>allowed values:</i>	Jet Engine Dismounted Rocket Engine Horizontal		Jet Engine Mounted Rocket Engine Upright			No Information Other
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i>	No Information <i>Partially Operational</i>		Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AF060	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i>	AF060					

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Location Referenced to Shoreline	1	No Information	Enumeration	Unitless	0	The location of an object in relation to a land water boundary.
<i>allowed values:</i> At Shoreline			Inland			No Information Offshore
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: EngineTestCell (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 EngineTestCell (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 EngineTestCell (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 EngineTestCell (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 EngineTestCell (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 EngineTestCell (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 EngineTestCell (Area 00) - is a member of group - Exactly one - StructureSrf (FeatureGroup 00)

Feature EngineTestCell (Point 00)

New ☐ Engine Test Cell

A structure wherein aircraft or rocket engines are tested. [Description] The most common test cells are used for testing the performance characteristics of jet engines and are typically located at military aerodromes or aerospace research and development facilities. Test cells for liquid-fueled rocket booster engines are unique, massive structures (for example: the test cell located at Stennis Space Flight Center in the U.S.).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Engine Test Cell Type	1	No Information	Enumeration	Unitless	0	The type of an engine test cell based on the purpose for which it was designed.
<i>allowed values:</i> Jet Engine Dismounted Rocket Engine Horizontal			Jet Engine Mounted Rocket Engine Upright			No Information Other
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AF060	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AF060						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Location Referenced to Shoreline	1	No Information	Enumeration	Unitless	0	The location of an object in relation to a land water boundary.
<i>allowed values:</i> At Shoreline			Inland			No Information Offshore
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
<i>allowed values:</i> No Information						

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: EngineTestCell (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 EngineTestCell (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 EngineTestCell (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 EngineTestCell (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 EngineTestCell (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 EngineTestCell (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 EngineTestCell (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 EngineTestCell (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 EngineTestCell (Point 00) - is a member of group - Exactly one - StructurePnt (FeatureGroup 00)

Feature Esker (Line 00)

New ☐ Esker

A long, narrow ridge of sand and gravel deposited by a glacial stream.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999

New Feature Code	1	DB100	CONSTRAINED_STRING	Unitless	5	Feature Code
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allowed values: DB100

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

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
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allowed values: -999999

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
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allowed values: -999999

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999

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

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values: False			No Information			True
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Esker (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Esker (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Esker (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Esker (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Esker (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Esker (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Esker (Line 00) - is a member of group - Exactly one - PhysiographyCrv (FeatureGroup 00)
 Esker (Line 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature ExcavatingMachine (Line 00)

New ☐ Excavating Machine

A mechanical device for removing materials from the ground. [Description] For example, a dredger, a powershovel, and a dragline.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AF050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AF050						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False No Information True						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u> Damaged Destroyed Dismantled Intact No Information Ruined Site Preparation Under Construction Unmaintained						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u> Army Geographic Agency (Netherlands) Army Geographic Centre (Spain) Army Geographic Institute (Portugal) Bundeswehr Geoinformation Office (Germany) Defence Acquisition and Logistics Organization (Denmark) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Defence Imagery and Geospatial Organisation (Australia) Defense Information Security (Italy) General Command of Mapping (Turkey) Geographic Service (Belgium) Geographic Service of the Czech Armed Forces (Czech Republic) Geospatial Information Agency (Latvia) Geospatial Intelligence Organisation (New Zealand) Hellenic Military Geographic Service (Greece) Joint Geography Bureau (France) Mapping and Charting Establishment (Canada) Mapping Service (Hungary) Military Geographic Group (Estonia) Military Geographic Service (Norway) Military Geography Division (Poland) Military Mapping Centre (Lithuania) Military Topographic Directorate (Romania) Military Topographic Service (Bulgaria) National Army Topographic Service (Moldova) No Information Other Swedish Armed Forces (Sweden) Topographic Institute (Slovakia) Topographic Service (Finland) U.S. Africa Command (USAFRICOM) U.S. Air Force U.S. Army U.S. Army Geospatial Center (AGC) U.S. Central Command (USCENTCOM) U.S. Central Intelligence Agency (CIA) U.S. Coast Guard U.S. Defense Intelligence Agency (DIA) U.S. Department of Energy (DOE) U.S. Department of Homeland Security (DHS) U.S. Department of State U.S. European Command (USEUCOM) U.S. Federal Bureau of Investigation (FBI) U.S. Geological Survey (USGS) U.S. Joint Forces Command (USJFCOM) U.S. Marine Corps U.S. National Civil Applications Program (NCAP) U.S. National Geospatial-Intelligence Agency (NGA) U.S. National Oceanic and Atmospheric Administration U.S. National Reconnaissance Office (NRO) U.S. National Security Agency (NSA) U.S. Navy U.S. Northern Command (USNORTHCOM) U.S. Pacific Command (PACOM) U.S. Southern Command (USSOUTHCOM) U.S. Special Operations Command (USSOCOM) U.S. Strategic Command (USSTRATCOM) U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<u>allowed values:</u> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<u>allowed values:</u> No Information						

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: ExcavatingMachine (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 ExcavatingMachine (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 ExcavatingMachine (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 ExcavatingMachine (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 ExcavatingMachine (Line 00) - is a member of configuration level - Exactly one - TDSLLocal (Feature 00)
 ExcavatingMachine (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 ExcavatingMachine (Line 00) - is a member of group - Exactly one - IndustryCrv (FeatureGroup 00)

Feature ExcavatingMachine (Point 00)New ☐ Excavating Machine**A mechanical device for removing materials from the ground. [Description] For example, a dredger, a powershovel, and a dragline.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AF050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AF050						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
U.S. Northern Command (USNORTHCOM)						
U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.

allowed values: No Information

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
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allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: ExcavatingMachine (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 ExcavatingMachine (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 ExcavatingMachine (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 ExcavatingMachine (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 ExcavatingMachine (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 ExcavatingMachine (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 ExcavatingMachine (Point 00) - is a member of group - Exactly one - IndustryPnt (FeatureGroup 00)

Feature ExtractionMine (Area 00) New ☐ Extraction Mine

An excavation made in the terrain for the purpose of extracting and/or exploiting natural resources.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999

New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
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allowed values: -999999

Extraction Mine Type	1	No Information	Enumeration	Unitless	0	The type of an extraction mine.
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allowed values: Area Strip-mine
 Dredge
 Peatery
 Strip-mine
 Below Surface
 No Information
 Placer
 Borrow-pit
 Opencast
 Prospect
 Contour Strip-mine
 Other
 Quarry

Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
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allowed values: No Information
 Partially Operational
 Non-operational
 Planned
 Not in Operation
 Temporarily Non-operational
Operational

New	Feature Code	1	AA010	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AA010						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Chemical Mining Other			Metal Ore Mining Peat Extraction			Mineral Mining Salt Extraction No Information Solid Mineral Fuel Mining
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The type of designated hazard protection shelter based on the kind of emergency. [Description] These shelters may be inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
	<i>allowed values:</i> Bomb Shelter Storm Shelter			Fallout Shelter			No Information Other
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999						
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999						
New	Least Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling.
	<i>allowed values:</i> -999999						
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
	Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.

allowed values:	Basalt Clay Diatomaceous Earth Granite Manganese <a>No Information Pumice Sand Stone Vanadium	Bauxite Coal Dolomite Gravel Marble <a>Other Quartz Sandstone Tin Zinc	Chalk Copper Fluorite Iron Mica Phosphate Rock Selenium Travertine	Chromium Diamond Gold Lead Nickel Porphyry Salt Silver Uranium		
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values:	<a>U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) <a>No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) <a>Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	<a>No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	<a>No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	<a>No Information					
Underground Mine Access	1	No Information	Enumeration	Unitless	0	The means by which an underground mine is accessed from the surface. [Description] For example, by a tunnel or a shaft.
allowed values:	Drift Slope	<a>No Information	<a>Not Applicable		Shaft	

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
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allowed values: Below Ground Surface

No Information

On Surface

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: ExtractionMine (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 ExtractionMine (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 ExtractionMine (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 ExtractionMine (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 ExtractionMine (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 ExtractionMine (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 ExtractionMine (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 ExtractionMine (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 ExtractionMine (Area 00) - is a member of group - Exactly one - IndustrySrf (FeatureGroup 00)

Feature ExtractionMine (Point 00)

New ☐ Extraction Mine

An excavation made in the terrain for the purpose of extracting and/or exploiting natural resources.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999

New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
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allowed values: -999999

Extraction Mine Type	1	No Information	Enumeration	Unitless	0	The type of an extraction mine.
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allowed values: Area Strip-mine
Dredge
Peatery
Strip-mine

Below Surface
No Information
Placer

Borrow-pit
Opencast
Prospect

Contour Strip-mine
Other
Quarry

Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
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allowed values: No Information
Partially Operational

Non-operational
Planned

Not in Operation
Temporarily Non-operational

Operational

New Feature Code	1	AA010	CONSTRAINED_STRING	Unitless	5	Feature Code
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allowed values: AA010

Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
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allowed values: Chemical Mining
Other

Metal Ore Mining
Peat Extraction

Mineral Mining
Salt Extraction

No Information
Solid Mineral Fuel Mining

	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The type of designated hazard protection shelter based on the kind of emergency. [Description] These shelters may be inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
	<i>allowed values:</i> Bomb Shelter Storm Shelter			Fallout Shelter			No Information Other
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999						
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999						
New	Least Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling.
	<i>allowed values:</i> -999999						
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
	Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.

allowed values:	Basalt Clay Diatomaceous Earth Granite Manganese <a>No Information Pumice Sand Stone Vanadium	Bauxite Coal Dolomite Gravel Marble <a>Other Quartz Sandstone Tin Zinc	Chalk Copper Fluorite Iron Mica Phosphate Rock Selenium Travertine	Chromium Diamond Gold Lead Nickel Porphyry Salt Silver Uranium		
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values:	<a>U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) <a>No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) <a>Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	<a>No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	<a>No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	<a>No Information					
Underground Mine Access	1	No Information	Enumeration	Unitless	0	The means by which an underground mine is accessed from the surface. [Description] For example, by a tunnel or a shaft.
allowed values:	Drift Slope	<a>No Information	<a>Not Applicable		Shaft	

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
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allowed values: Below Ground Surface

allowed values: No Information

On Surface

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: ExtractionMine (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 ExtractionMine (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 ExtractionMine (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 ExtractionMine (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 ExtractionMine (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 ExtractionMine (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 ExtractionMine (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 ExtractionMine (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 ExtractionMine (Point 00) - is a member of group - Exactly one - IndustryPnt (FeatureGroup 00)

Feature Facility (Area 00)

New ☐ Facility

An area that has been developed to perform a specific principal function, consisting of one or more vertical constructions (for example: structures or buildings), horizontal constructions (for example: pavements, roads, rail tracks, or bridges), and/or supporting utilities (for example: power lines, water supply, or sewerage), plus the underlying land. [Description] For example, an industrial plant consisting of building(s), shipping dock(s), storage area(s), power transformer(s), heating and/or cooling equipment, vehicle parking, roads, railroad tracks, and perimeter fences and gates.

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

allowed values: No Information

Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
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allowed values: -999999

Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
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allowed values: -999999

New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre		The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
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allowed values: -999999

Manufacturing Information : By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.
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allowed values: Ash
Other
Sewage

Cinders
Radioactive Material
Slag

No Byproduct
Refuse

No Information
Scrap-metal

New	Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre		The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density		The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<i>allowed values:</i> -999999						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre		The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Device Power Type	1	No Information	Enumeration	Unitless	0	The method by the device is powered, if any.
	<i>allowed values:</i> Compressed Air No Information			Electricity Other			Gravity Petroleum Product Manual Steam
New	Water Resource Information : Device Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the device and the underlying ground (terrain), liquid or waterbody bottom.
	<i>allowed values:</i> Above Surface On Waterbody Bottom			Below Ground Surface Other			No Information Submerged On Surface
	Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AL010	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AL010						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.

allowed values:

Accommodation	Accounting	Administration	Adult Entertainment
Advertising	Agriculture	Air Traffic Control	Air Transport
Aircraft Manufacture	Aircraft Repair	Amusement	Animal Boarding
Animal Feed Manufacture	Apparel Manufacture	Aquaculture	Aquarium
Architecture Consulting	Armory	Auditorium	Baking
Banquet Hall	Bar	Beauty Treatment	Botanical and/or Zoological Reserve Activities
Branch Telephone Exchange	Brewing	Business Management	Call Centre
Canal Transport	Capitol	Cargo Handling	CBRNE Civilian Support
Cement Mill	Cement Product Manufacture	Central Banking	Ceramic Product Manufacture
Chemical Manufacture	Chemical Mining	Cinema	Civil Activities
Civil Intelligence	Clay Product Manufacture	Club	Coke Manufacture
Commerce	Community Centre	Confection Manufacture	Consul
Convenience Store	Convention Centre	Cooling	Courier Activities
Cremation	Custodial Service	Customs Checkpoint	Dairying
Day Care	Defence Activities	Dependents Housing	Dining Hall
Diplomacy	Diplomatic Mission	Dormitory	Education
Electrical Equipment Manufacture	Electrical Equipment Repair	Electronic Equipment Manufacture	Electronic Equipment Repair
Embassy	Emergency Operations	Emergency Relief Services	Emergency Shelter
Emergency Youth Shelter	Employment Agency	Engineering Design	Fabricated Metal Product Manufacture
Fabricated Metal Product Repair	Financial Market Administration	Financial Services	Firefighting
Fishing	Fitness Centre	Food Processing	Food Product Manufacture
Footwear Manufacturing	Forest Warden	Forestry and/or Logging	Foundry
Fruit and/or Vegetable Processing	Fund Management	Funeral Services	Furniture Manufacture
Gambling	Game and/or Toy Manufacture	Gas Oil Separation	General Repair
Glass Product Manufacture	Government	Grain Milling	Grazing
Grocery	Growing of Crops	Guard	Guest-house
Harbour Control	Head Office	Headquarters	Heating
Higher Education	Hobbies and/or Leisure Activities	Homeless Shelter	Hostel
Hotel	Human Health Activities	Human Tissue Repository	Hunting
Ice Manufacture	Immigration Control	Imprisonment	Inland Waters Transport
In-patient Care	Inspection Station	Institution	Insurance
Intermediate Care	Islamic Prayer Hall	Jewellery Manufacture	Judicial Activities
Juvenile Corrections	Landscaping Service	Laundry	Law Enforcement
Leather Product Manufacture	Legal Activities	Leprosy Care	Library
Local Government	Machinery Manufacture	Machinery Repair	Main Telephone Exchange
Manufacturing	Maritime Defense	Maritime Pilotage	Market
Materials Recovery	Meat Processing	Medical and/or Dental Equipment Manufacture	Medicinal Product Manufacture
Meeting Place	Metal Ore Mining	Metal Refining	Military Recruitment
Military Reserve Activities	Military Vehicle Manufacture	Mineral Mining	Mining and Quarrying
Mixed Farming	Mobile Phone Service	Mortuary Services	Motel
Motor Vehicle Manufacture	Motor Vehicle Parking	Motor Vehicle Rental	Motor Vehicle Repair
Munitions Manufacture	Museum	Musical Instrument Manufacture	Navigation
Night Club	No Information	Non-specialized Store	<i>Not Applicable</i>
Nuclear Research Centre	Observation Station	Office Administration	Oil-mill
Opera House	Ore Dressing	Other	Out-patient Care
Palace	Paper-mill	Pasta Manufacture	Pedestrian Transport
Petrol Sale	Petroleum and/or Gas Extraction	Petroleum Refining	Pet-shop
Pharmacy	Photography	Pilot Station	Pipeline Transport
Place of Worship	Plastic Product Manufacture	Polling Station	Port Control
Postal Activities	Power Generation	Precious Metal Merchant	Prepared Meal Manufacture
Primary Education	Print Publishing	Printing	Propane Sale
Psychiatric In-patient Care	Public Health Activities	Public Records	Pumping
Radio Broadcasting	Railway Passenger Transport	Railway Transport	Railway Vehicle Manufacture
Railway Vehicle Repair	Raising of Animals	Real Estate Activities	Recreation
Refractory Product Manufacture	Refugee Shelter	Religious Activities	Rescue and Paramedical Services
Residence	Residential Care	Resort Hotel	Restaurant

Restroom
Road Freight Transport
Sales Yard
Scientific Research and Development
Security Enforcement
Ship Repair
Social Work
Spirit Distillery
Steel Mill
Subnational Government
Surveying
Textile Manufacture
Transport
Utilities
Warehousing and Storage
Water Transport
Wind Tunnel
Wireless Repeater

Retail Banking
Road Passenger Transport
Satellite Ground Control
Seafood Processing
Sewerage
Shooting Range
Soft Drink Manufacture
Sports Centre
Stone Product Manufacture
Sugar Manufacture
Telecommunications
Theatre
Transport System Maintenance
Vacation Cottage
Waste Treatment and Disposal
Water Treatment
Winery
Wireless Telecommunications

Retail Service
Road Transport
Satellite Telecommunications
Secondary Education
Sewerage Screening
Signalling
Solid Mineral Fuel Mining
Sports Goods Manufacture
Stop
Sugar Milling
Television Broadcasting
Tobacco Product Manufacture
Travel Agency
Veterinary
Water Collection
Weather Station
Wired Repeater
Wooden Construction Product Manufacture

Retail Telecommunications
Rubber Product Manufacture
Sawmilling
Security Brokerage
Ship Construction
Silviculture
Specialized Store
Station
Structural Metal Product Manufacture
Sugar Refining
Terminal
Transfer Hub
Urgent Medical Care
Vocational Education
Water Distribution
Wholesale Merchant
Wired Telecommunications
Yacht-club

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

allowed values: No Information

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

allowed values:

Conventional
Native Transliterated
Unverified Original

Historical Original
No Information
Unverified Transliterated

Historical Transliterated
Other
Variant Original

Native Original
Provisional
Variant Transliterated

Height Above Surface Level 1 -999999 REAL Metre 0 The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.

allowed values: -999999

Highest Elevation 1 -999999 REAL Metre 0 The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.

allowed values: -999999

New Hospital Bed Count 1 -999999 Integer Unitless The number of beds in a hospital.

allowed values: -999999

Length 1 -999999 REAL Metre 0 The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

allowed values: -999999

New Water Resource Information : Magnesium Concentration 1 -999999 Real Milligrams per Litre The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.

allowed values: -999999

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

allowed values: No Information

Geographic Name Information : Name Identifier		1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information							
Navigation Landmark		1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False				No Information			True
New	Water Resource Information : pH of Water	1	-999999	Real	Milligrams per Litre		The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999							
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained				Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Manufacturing Information : Product		3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Aircraft Biochemical Chemical Coke Cotton Electronic Equipment Fluorine Gas Ice Liquefied Natural Gas (LNG) Metal Munitions Not Applicable Paper Petroleum and/or Natural Gas Prestressed Concrete Salt Steel Uranium Wine				Aluminum Biodiesel Clothing Concrete Desalinated Water Explosive Food Glass Iron Liquefied Petroleum Gas (LPG) Milk No Information Nuclear Fuel Petrochemical Petroleum Lubricant Radioactive Material Sewage Sugar Vegetation Product Zinc			Ammunition Brick Coal Consumer Goods Electric Power Fertilizer Frozen Water Gold Lead Lumber Milled Grain No Product Olive Oil Petrol Phosphorus Rice Silver Textile Water
							Asphalt Cement Coffee Copper Electrical Equipment Fish Fruit Heating Steam and/or Water Lime Manganese Motor Vehicle Non-solid Hydrocarbon Fuel Other Petroleum Plastic Rubber Snow Tobacco Whale Products
New	Water Resource Information : Pump Type	1	No Information	Enumeration	Unitless	0	The type of pump used to move liquid or semi-liquid material from one location to another.
<i>allowed values:</i> Airlift No Information Turbine				Centrifugal Other Vacuum			Gravity Reciprocating Jet Rotary
New	Water Resource Information : Purification Process	1	No Information	Enumeration	Unitless		Water purification process
<i>allowed values:</i> Blending Filtration No Information Vapor Compression				Desalination Freezing Other			Disinfection Multi-effect evaporation Reverse Osmosis Electrolysis Multi-stage flash Sedimentation/coagulation
Manufacturing Information : Raw Material		3	No Information	Enumeration	Unitless	0	The principal 'raw', or input, material(s) involved in a production activity. [Description] If multiple 'raw' materials are specified then they are usually listed in descending order of importance.

allowed values:	Aluminum Chemical Copper Gold Lumber No Raw Material Paper Radioactive Material Snow Tobacco Wood	Asphalt Clay Cotton Ice Manganese Oil Petroleum and/or Natural Gas Rubber Steel Uranium Zinc	Bauxite Coal Gas Iron Metal Ore Plant Material Sewage Sugar Vegetation	Cement Coke Glass Lead No Information Other Plastic Silver Textile Water		
Religious Information : Religious Designation	1	No Information	Enumeration	Unitless	0	A designation denoting a religion or system of belief.
allowed values:	Buddhism Islam Orthodox Shia	Chaldean Judaism Other Shinto	Christian Nestorian Protestant Sunni	Hinduism No Information Roman Catholic		
Religious Information : Religious Facility Type	1	No Information	Enumeration	Unitless	0	The type of a facility, building, structure or site that is designed and designated to be used for religious activities, based on its structure and/or the principal activity for which it was designed.
allowed values:	Burial Site Convent Mission Noviciate Retreat Synagogue	Cathedral Hermitage Monastery Other Seminary Tabernacle	Chapel Marabout Mosque Pagoda Shrine Temple	Church Minaret No Information Religious Community Stupa		
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values:	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					

	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
	<u>allowed values:</u> No Information						
	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
	<u>allowed values:</u> No Information						
New	Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre		The mass of sulfate ions per volume of solution.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Temperature	1	-999999	Real	Degree Celsius		The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre		The total mass of dissolved inorganic chemical constituents per volume of solution.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units		The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<u>allowed values:</u> -999999						
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<u>allowed values:</u> No Information						
	Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
	<u>allowed values:</u> Adobe Brick Fibreglass Metal Plant Material Steel			Aluminum Glass Mud-based Construction Prestressed Concrete Stone		Brick Iron No Information Reinforced Concrete Treated Timber	Concrete Masonry Other Sod Wood
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime		The electrical conductivity of water.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Water Flow	1	-999999	Real	Cubic Metres per Hours		The rate of water flow through or exiting from a feature.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre		The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<u>allowed values:</u> -999999						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless		The potability of water based on the type of treatment required before it is safe for human consumption.
	<u>allowed values:</u> Contaminated Potable			No Information Treatable		Nonpotable	Other
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless		The type of available water based on its composition.

	<i>allowed values:</i>	Alkaline Mineral Saline		Brackish No Information Seawater		Brine Not Applicable		Fresh Other
New	Water Resource Information : Water Use	3	No Information	Enumeration	Unitless	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.		
	<i>allowed values:</i>	Agricultural Irrigation Institutional Other		Commercial Livestock Power Generation		Domestic Irrigation Municipal Recreational		Industrial No Information Sanitary Domestic
	Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	
	<i>allowed values:</i>	-999999						
	Wireless Telecommunication Information : Wireless Telecommunication Type	1	No Information	Enumeration	Unitless	0	The type of a wireless telecommunication service based on the mechanism(s) of transmission and/or the nature of the communication(s) supported. [Description] For example, radio broadcast or mobile phone service.	
	<i>allowed values:</i>	Cellular Phone Other Television (TV)		Microwave Radio Relay Radio Broadcast		Mobile Phone Radio Telephone		No Information Radio-telegraph

Relationships: Facility (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Facility (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Facility (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Facility (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Facility (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Facility (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Facility (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Facility (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Facility (Area 00) - is a member of group - Exactly one - FacilitySrf (FeatureGroup 00)

Feature Facility (Point 00)

New ☐ Facility

An area that has been developed to perform a specific principal function, consisting of one or more vertical constructions (for example: structures or buildings), horizontal constructions (for example: pavements, roads, rail tracks, or bridges), and/or supporting utilities (for example: power lines, water supply, or sewerage), plus the underlying land. [Description] For example, an industrial plant consisting of building(s), shipping dock(s), storage area(s), power transformer(s), heating and/or cooling equipment, vehicle parking, roads, railroad tracks, and perimeter fences and gates.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<u>allowed values:</u> No Information						
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre		The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<u>allowed values:</u> -999999						
Manufacturing Information : By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.

<i>allowed values:</i> Ash Other Sewage			Cinders Radioactive Material Slag		No Byproduct Refuse	No Information Scrap-metal
New	Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999						
New	Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999						
	Controlling Authority	1	No Information	Enumeration	Unitless 0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State		Joint Military and Civilian Other	Military Private
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999						
New	Water Resource Information : Device Power Type	1	No Information	Enumeration	Unitless 0	The method by the device is powered, if any.
<i>allowed values:</i> Compressed Air No Information			Electricity Other		Gravity Petroleum Product	Manual Steam
New	Water Resource Information : Device Relative Location	1	No Information	Enumeration	Unitless 0	The relationship between the device and the underlying ground (terrain), liquid or waterbody bottom.
<i>allowed values:</i> Above Surface On Waterbody Bottom			Below Ground Surface Other		No Information Submerged	On Surface
	Facility Operational Status	1	No Information	Enumeration	Unitless	The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned		Not in Operation Temporarily Non-operational	Operational
New	Feature Code	1	AL010	CONSTRAINED_STRING	Unitless 5	Feature Code
<i>allowed values:</i> AL010						
	Feature Function	3	No Information	Enumeration	Unitless 0	The purpose(s) of, or intended role(s) served by, the feature.

allowed values:

Accommodation	Accounting	Administration	Adult Entertainment
Advertising	Agriculture	Air Traffic Control	Air Transport
Aircraft Manufacture	Aircraft Repair	Amusement	Animal Boarding
Animal Feed Manufacture	Apparel Manufacture	Aquaculture	Aquarium
Architecture Consulting	Armory	Auditorium	Baking
Banquet Hall	Bar	Beauty Treatment	Botanical and/or Zoological Reserve Activities
Branch Telephone Exchange	Brewing	Business Management	Call Centre
Canal Transport	Capitol	Cargo Handling	CBRNE Civilian Support
Cement Mill	Cement Product Manufacture	Central Banking	Ceramic Product Manufacture
Chemical Manufacture	Chemical Mining	Cinema	Civil Activities
Civil Intelligence	Clay Product Manufacture	Club	Coke Manufacture
Commerce	Community Centre	Confection Manufacture	Consul
Convenience Store	Convention Centre	Cooling	Courier Activities
Cremation	Custodial Service	Customs Checkpoint	Dairying
Day Care	Defence Activities	Dependents Housing	Dining Hall
Diplomacy	Diplomatic Mission	Dormitory	Education
Electrical Equipment Manufacture	Electrical Equipment Repair	Electronic Equipment Manufacture	Electronic Equipment Repair
Embassy	Emergency Operations	Emergency Relief Services	Emergency Shelter
Emergency Youth Shelter	Employment Agency	Engineering Design	Fabricated Metal Product Manufacture
Fabricated Metal Product Repair	Financial Market Administration	Financial Services	Firefighting
Fishing	Fitness Centre	Food Processing	Food Product Manufacture
Footwear Manufacturing	Forest Warden	Forestry and/or Logging	Foundry
Fruit and/or Vegetable Processing	Fund Management	Funeral Services	Furniture Manufacture
Gambling	Game and/or Toy Manufacture	Gas Oil Separation	General Repair
Glass Product Manufacture	Government	Grain Milling	Grazing
Grocery	Growing of Crops	Guard	Guest-house
Harbour Control	Head Office	Headquarters	Heating
Higher Education	Hobbies and/or Leisure Activities	Homeless Shelter	Hostel
Hotel	Human Health Activities	Human Tissue Repository	Hunting
Ice Manufacture	Immigration Control	Imprisonment	Inland Waters Transport
In-patient Care	Inspection Station	Institution	Insurance
Intermediate Care	Islamic Prayer Hall	Jewellery Manufacture	Judicial Activities
Juvenile Corrections	Landscaping Service	Laundry	Law Enforcement
Leather Product Manufacture	Legal Activities	Leprosy Care	Library
Local Government	Machinery Manufacture	Machinery Repair	Main Telephone Exchange
Manufacturing	Maritime Defense	Maritime Pilotage	Market
Materials Recovery	Meat Processing	Medical and/or Dental Equipment Manufacture	Medicinal Product Manufacture
Meeting Place	Metal Ore Mining	Metal Refining	Military Recruitment
Military Reserve Activities	Military Vehicle Manufacture	Mineral Mining	Mining and Quarrying
Mixed Farming	Mobile Phone Service	Mortuary Services	Motel
Motor Vehicle Manufacture	Motor Vehicle Parking	Motor Vehicle Rental	Motor Vehicle Repair
Munitions Manufacture	Museum	Musical Instrument Manufacture	Navigation
Night Club	No Information	Non-specialized Store	<i>Not Applicable</i>
Nuclear Research Centre	Observation Station	Office Administration	Oil-mill
Opera House	Ore Dressing	Other	Out-patient Care
Palace	Paper-mill	Pasta Manufacture	Pedestrian Transport
Petrol Sale	Petroleum and/or Gas Extraction	Petroleum Refining	Pet-shop
Pharmacy	Photography	Pilot Station	Pipeline Transport
Place of Worship	Plastic Product Manufacture	Polling Station	Port Control
Postal Activities	Power Generation	Precious Metal Merchant	Prepared Meal Manufacture
Primary Education	Print Publishing	Printing	Propane Sale
Psychiatric In-patient Care	Public Health Activities	Public Records	Pumping
Radio Broadcasting	Railway Passenger Transport	Railway Transport	Railway Vehicle Manufacture
Railway Vehicle Repair	Raising of Animals	Real Estate Activities	Recreation
Refractory Product Manufacture	Refugee Shelter	Religious Activities	Rescue and Paramedical Services
Residence	Residential Care	Resort Hotel	Restaurant

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Stone Product Manufacture
Sugar Manufacture
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Vacation Cottage
Waste Treatment and Disposal
Water Treatment
Winery
Wireless Telecommunications

Retail Service
Road Transport
Satellite Telecommunications
Secondary Education
Sewerage Screening
Signalling
Solid Mineral Fuel Mining
Sports Goods Manufacture
Stop
Sugar Milling
Television Broadcasting
Tobacco Product Manufacture
Travel Agency
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Water Collection
Weather Station
Wired Repeater
Wooden Construction Product Manufacture

Retail Telecommunications
Rubber Product Manufacture
Sawmilling
Security Brokerage
Ship Construction
Silviculture
Specialized Store
Station
Structural Metal Product Manufacture
Sugar Refining
Terminal
Transfer Hub
Urgent Medical Care
Vocational Education
Water Distribution
Wholesale Merchant
Wired Telecommunications
Yacht-club

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

allowed values: No Information

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

allowed values:

Conventional
Native Transliterated
Unverified Original

Historical Original
No Information
Unverified Transliterated

Historical Transliterated
Other
Variant Original

Native Original
Provisional
Variant Transliterated

Height Above Surface Level 1 -999999 REAL Metre 0 The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.

allowed values: -999999

Highest Elevation 1 -999999 REAL Metre 0 The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.

allowed values: -999999

New Hospital Bed Count 1 -999999 Integer Unitless The number of beds in a hospital.

allowed values: -999999

Length 1 -999999 REAL Metre 0 The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

allowed values: -999999

New Water Resource Information : Magnesium Concentration 1 -999999 Real Milligrams per Litre The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.

allowed values: -999999

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

allowed values: No Information

	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False		No Information				True
New	Water Resource Information : pH of Water	1	-999999	Real	Milligrams per Litre		The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<i>allowed values:</i> -999999						
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
	Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
	<i>allowed values:</i> Aircraft Biochemical Chemical Coke Cotton Electronic Equipment Fluorine Gas Ice Liquefied Natural Gas (LNG) Metal Munitions Not Applicable Paper Petroleum and/or Natural Gas Prestressed Concrete Salt Steel Uranium Wine			Aluminum Biodiesel Clothing Concrete Desalinated Water Explosive Food Glass Iron Liquefied Petroleum Gas (LPG) Milk No Information Nuclear Fuel Petrochemical Petroleum Lubricant Radioactive Material Sewage Sugar Vegetation Product Zinc			Ammunition Brick Coal Consumer Goods Electric Power Fertilizer Frozen Water Gold Lead Lumber Milled Grain No Product Olive Oil Petrol Phosphorus Rice Silver Textile Water
							Asphalt Cement Coffee Copper Electrical Equipment Fish Fruit Heating Steam and/or Water Lime Manganese Motor Vehicle Non-solid Hydrocarbon Fuel Other Petroleum Plastic Rubber Snow Tobacco Whale Products
New	Water Resource Information : Pump Type	1	No Information	Enumeration	Unitless	0	The type of pump used to move liquid or semi-liquid material from one location to another.
	<i>allowed values:</i> Airlift No Information Turbine			Centrifugal Other Vacuum			Gravity Reciprocating Jet Rotary
New	Water Resource Information : Purification Process	1	No Information	Enumeration	Unitless		Water purification process
	<i>allowed values:</i> Blending Filtration No Information Vapor Compression			Desalination Freezing Other			Disinfection Multi-effect evaporation Reverse Osmosis Electrolysis Multi-stage flash Sedimentation/coagulation
	Manufacturing Information : Raw Material	3	No Information	Enumeration	Unitless	0	The principal 'raw', or input, material(s) involved in a production activity. [Description] If multiple 'raw' materials are specified then they are usually listed in descending order of importance.

allowed values:	Aluminum Chemical Copper Gold Lumber No Raw Material Paper Radioactive Material Snow Tobacco Wood	Asphalt Clay Cotton Ice Manganese Oil Petroleum and/or Natural Gas Rubber Steel Uranium Zinc	Bauxite Coal Gas Iron Metal Ore Plant Material Sewage Sugar Vegetation	Cement Coke Glass Lead No Information Other Plastic Silver Textile Water		
Religious Information : Religious Designation	1	No Information	Enumeration	Unitless	0	A designation denoting a religion or system of belief.
allowed values:	Buddhism Islam Orthodox Shia	Chaldean Judaism Other Shinto	Christian Nestorian Protestant Sunni	Hinduism No Information Roman Catholic		
Religious Information : Religious Facility Type	1	No Information	Enumeration	Unitless	0	The type of a facility, building, structure or site that is designed and designated to be used for religious activities, based on its structure and/or the principal activity for which it was designed.
allowed values:	Burial Site Convent Mission Noviciate Retreat Synagogue	Cathedral Hermitage Monastery Other Seminary Tabernacle	Chapel Marabout Mosque Pagoda Shrine Temple	Church Minaret No Information Religious Community Stupa		
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values:	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					

	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
	<u>allowed values:</u> No Information						
	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
	<u>allowed values:</u> No Information						
New	Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre		The mass of sulfate ions per volume of solution.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Temperature	1	-999999	Real	Degree Celsius		The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre		The total mass of dissolved inorganic chemical constituents per volume of solution.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units		The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<u>allowed values:</u> -999999						
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<u>allowed values:</u> No Information						
	Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
	<u>allowed values:</u> Adobe Brick Fibreglass Metal Plant Material Steel			Aluminum Glass Mud-based Construction Prestressed Concrete Stone		Brick Iron No Information Reinforced Concrete Treated Timber	Concrete Masonry Other Sod Wood
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime		The electrical conductivity of water.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Water Flow	1	-999999	Real	Cubic Metres per Hours		The rate of water flow through or exiting from a feature.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre		The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<u>allowed values:</u> -999999						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless		The potability of water based on the type of treatment required before it is safe for human consumption.
	<u>allowed values:</u> Contaminated Potable			No Information Treatable		Nonpotable	Other
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless		The type of available water based on its composition.

	<i>allowed values:</i>	Alkaline Mineral Saline	Brackish No Information Seawater	Brine Not Applicable	Fresh Other		
New	Water Resource Information : Water Use	3	No Information	Enumeration	Unitless	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.	
	<i>allowed values:</i>	Agricultural Irrigation Institutional Other	Commercial Livestock Power Generation	Domestic Irrigation Municipal Recreational	Industrial No Information Sanitary Domestic		
	Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
	<i>allowed values:</i>	-999999					
	Wireless Telecommunication Information : Wireless Telecommunication Type	1	No Information	Enumeration	Unitless	0	The type of a wireless telecommunication service based on the mechanism(s) of transmission and/or the nature of the communication(s) supported. [Description] For example, radio broadcast or mobile phone service.
	<i>allowed values:</i>	Cellular Phone Other Television (TV)	Microwave Radio Relay Radio Broadcast	Mobile Phone Radio Telephone	No Information Radio-telegraph		

Relationships: Facility (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Facility (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Facility (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Facility (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Facility (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Facility (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Facility (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Facility (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Facility (Point 00) - is a member of group - Exactly one - FacilityPnt (FeatureGroup 00)

Feature Fairground (Area 00)

New ☐ Fairground

An area where permanent facilities exist to hold outdoor fairs, circuses or exhibitions.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition	
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.	
<i>allowed values:</i> No Information							
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.	
<i>allowed values:</i> -999999							
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.	
<i>allowed values:</i> No Information			Non-operational			Not in Operation	
Partially Operational			Planned			Temporarily Non-operational	
New	Feature Code	1	AK090	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK090							
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.	

<i>allowed values:</i>	Administration Dining Hall Meeting Place Out-patient Care Restroom Transport		Amusement Emergency Operations Museum Recreation Retail Banking		Animal Boarding <i>Food Service</i> <i>No Information</i> Religious Activities Security Enforcement		Auditorium Market <i>Other</i> Restaurant Theatre
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.	
<i>allowed values:</i>	<i>No Information</i>						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
<i>allowed values:</i>	<i>-999999</i>						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<i>allowed values:</i>	<i>-999999</i>						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i>	<i>-999999</i>						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i>	<i>No Information</i>						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i>	<i>No Information</i>						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
<i>allowed values:</i>	<i>False</i>		<i>No Information</i>		<i>True</i>		
Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.	
<i>allowed values:</i>	<i>Damaged</i> <i>No Information</i> <i>Unmaintained</i>		<i>Destroyed</i> <i>Ruined</i>		<i>Dismantled</i> <i>Site Preparation</i>		<i>Intact</i> <i>Under Construction</i>
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i>	<i>U</i>						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

- Relationships:**
- Fairground (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 - Fairground (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 - Fairground (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 - Fairground (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 - Fairground (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 - Fairground (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 - Fairground (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 - Fairground (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 - Fairground (Area 00) - is a member of group - Exactly one - RecreationSrf (FeatureGroup 00)

Feature FeatureAttGAMetadata (Area 00)

New ☐ Feature Attribute GEOINT Assurance Metadata

A modeling entity collecting assurance information about the quality of the digital representation of a Geospatial Intelligence (GEOINT) feature attribute. [Description] For example, the currency of the information known about a feature attribute or the degree to which the attribute value is accurately and/or completely determined.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Currency Date and Time	1	No Information	Constrained_String	Unitless	20	The date and, optionally, time assigned to a data set (for example: the digital representation of a single feature or a set of features) as a whole that provides an overall assessment of its currency. [Description] Often known as the 'as of' date, the overall currency of a data set is affected by knowledge of the source(s) and processes used to define the location, geometry, and other properties (attributes and associations) of the digital representation.
<u>allowed values:</u> No Information						
Data Quality Statement	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records a general assessment of the quality of a resource (for example: a data instance, a data set or a data processing activity). [Description] The quality of a data resource is dependent on the data providers knowledge regarding the lineage of the data and the processes that have been used to transform that data. No restriction is placed on the length of the statement.
<u>allowed values:</u> No Information						
New Feature Code	1	ZI027	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> ZI027						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
New Referenced Feature Name	1	No Information	String	Unitless	200	The name of the database feature. [Description] This name is to be usable as a reference into a database.
<u>allowed values:</u> No Information						
New Referenced Feature Number	1	-999999	Integer	Unitless	0	The numeric identifier of a feature within a database. [Description] This numeric identifier is to be usable as a reference into a database.
<u>allowed values:</u> -999999						
New Referenced Feature Unique Identifier	1	No Information	String	Unitless	254	The unique identifier associated with the referenced feature instance.
<u>allowed values:</u> No Information						
New Referenced Field Name	1	No Information	String	Unitless	200	The name of the field within a database table. [Description] This name is to be usable as a reference into a database.
<u>allowed values:</u> No Information						
New Referenced Feature Group Name	1	No Information	String	Unitless	200	The name of the database grouping mechanism that may itself contain features. [Description] This name is to be usable as a reference into a database.
<u>allowed values:</u> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<u>allowed values:</u> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<u>allowed values:</u> No Information						

Relationships: FeatureAttGAMetadata (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 FeatureAttGAMetadata (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 FeatureAttGAMetadata (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 FeatureAttGAMetadata (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 FeatureAttGAMetadata (Area 00) - is a member of group - Exactly one - InformationSrf (FeatureGroup 00)
 FeatureAttGAMetadata (Area 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 FeatureAttGAMetadata (Area 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
 FeatureAttGAMetadata (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 FeatureAttGAMetadata (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - PipelineCrossingPoint (Point 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - StormDrain (Point 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - StreetLamp (Point 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - StreetSign (Point 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - ContaminatedRegion (Area 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - ContaminatedRegion (Point 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - AdministrativeDivision (Area 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - AerationBasin (Area 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - AerialFarm (Area 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - AerialFarm (Point 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - AquaticVegetation (Area 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - AquaticVegetation (Point 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - AstronomicalObservatory (Area 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - AstronomicalObservatory (Point 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Billboard (Point 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Borehole (Point 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Brush (Area 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - MaritimeCautionArea (Area 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - ConservationArea (Area 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - CoolingFacility (Area 00)
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 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - DredgedArea (Area 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - FeatureAttGAMetadata (Area 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - FeatureGAMetadata (Area 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - ForestClearing (Area 00)
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 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Grove (Area 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Grove (Point 00)
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 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - IceRoute (Line 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - IndustrialFarm (Area 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - IndustrialFarm (Point 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - IndustrialFurnace (Area 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - IndustrialFurnace (Point 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Installation (Area 00)
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 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - MaritimeRadiobeacon (Point 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - MineShaftSuperstructure (Area 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - MineShaftSuperstructure (Point 00)
 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - MunitionStorageFacility (Area 00)

FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - MunitionStorageFacility (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - NonBuildingStructure (Area 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - NuclearReactorContainment (Area 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Port (Area 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Scoreboard (Point 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - ShorelineRamp (Area 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Tomb (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - TunnelMouth (Point 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - AeroNavaid (Point 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - BoundaryMonument (Point 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Bridge (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Bridge (Point 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - BridgeSuperstructure (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - BridgeTower (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Thicket (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - BucketElevator (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - BucketElevator (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Building (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Building (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - BuildingSuperstructure (Area 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Cairn (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - CallingInPoint (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Camp (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Camp (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - CampSite (Area 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Canal (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Canal (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - CartTrack (Line 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Castle (Point 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - CatalyticCracker (Point 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Cemetery (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Checkpoint (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Cistern (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Smokestack (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - ControlTower (Area 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Crevasse (Line 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Crossing (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Culvert (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Culvert (Point 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Dam (Line 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - DepthCurve (Area 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - DepthArea (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - AnnotatedLocation (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - AnnotatedLocation (Line 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - DriveInTheatre (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - OutdoorTheatreScreen (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - OutdoorTheatreScreen (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - DryDock (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Cable (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - ElevationContour (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - EngineTestCell (Area 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - SteepTerrainFace (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Esker (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - ExcavatingMachine (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - ExcavatingMachine (Point 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Fairground (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Fence (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - FerryCrossing (Line 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - FishingStakes (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - FishWeir (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - FishWeir (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Flagpole (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - FlarePipe (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - FloatingDryDock (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Ford (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Ford (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Ford (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Foreshore (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Forest (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Forest (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Fountain (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Fountain (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Gantry (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Gantry (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Gate (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Gate (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - GeologicFault (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - GeothermalOutlet (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - GeothermalOutlet (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Glacier (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - GolfCourse (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - GolfDrivingRange (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - GrainElevator (Area 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - GrainStorageStructure (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - GrainStorageStructure (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Grandstand (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Grandstand (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Grassland (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Greenhouse (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Greenhouse (Point 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Harbour (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - HardenedAircraftShelter (Area 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Hedgerow (Line 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Lock (Point 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - IcePeak (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - IceShelf (Area 00)
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 FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - OverheadObstruction (Point 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Rapids (Point 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - VanishingPoint (Point 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - RoadInterchange (Point 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Roundhouse (Point 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Ruins (Point 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Stopway (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - SaltEvaporator (Area 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - SaltFlat (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - SandDunes (Area 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Lookout (Point 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Sabkha (Area 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - SettlingPond (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - ShantyTown (Area 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - ShearWall (Line 00)

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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Shed (Point 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Shipyard (Point 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - ShorelineConstruction (Area 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - SkiJump (Line 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - SluiceGate (Line 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Spillway (Line 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - InsubstantialNavMark (Point 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - SwimmingPool (Point 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Taxiway (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Cableway (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Cut (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Depression (Area 00)

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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - TrainingSite (Area 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - VehicleLot (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Berth (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Vineyard (Area 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - VoidCollectionArea (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - VolcanicDyke (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Volcano (Area 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - WaterbodyDivider (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - TidalWater (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - WaterIntakeTower (Area 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - WaterTower (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - WaterTower (Point 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - WaterTurbulence (Area 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - WaterTurbulence (Point 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - FiringRange (Point 00)
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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Windmill (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Cane (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - FireHydrant (Point 00)

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FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Crevice (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Crevice (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Embankment (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Embankment (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - SkiRun (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - SkiRun (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - CaravanPark (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - AerodromeBeacon (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - BasinGate (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - BasinGate (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - CastleComplex (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - CastleComplex (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - CausewayStructure (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - CausewayStructure (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - CutLine (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - EngineeredEarthwork (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - EngineeredEarthwork (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - FishFarmFacility (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - FishFarmFacility (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - FloodControlStructure (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - FloodControlStructure (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - FloodControlStructure (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - FortifiedBuilding (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - FortifiedBuilding (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - InlandWaterbody (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - InlandWaterbody (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - LandAerodrome (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - LandAerodrome (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - MaricultureSite (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - MemorialMonument (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - MemorialMonument (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - MemorialMonument (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - QanatShaft (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - Railway (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - SewageTreatmentPlant (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - SewageTreatmentPlant (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - ShipElevator (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - ShipElevator (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - ShipElevator (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - TransRouteCharacterChange (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - TransRouteCharacterChange (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - TransRouteProtectStruct (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - TransRouteProtectStruct (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - TransRouteProtectStruct (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - WaterAerodrome (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - WaterAerodrome (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - WaterRace (Line 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - CaveChamber (Area 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - CaveMouth (Point 00)
FeatureAttGAMetadata (Area 00) - provides attribute metadata for - Zero or more - NonWaterWel

Feature FeatureGAMetadata (Area 00)

New ☐ Feature GEOINT Assurance Metadata

A modeling entity collecting assurance information about the quality of the digital representation of a Geospatial Intelligence (GEOINT) feature and its properties (attributes and associations). [Description] For example, the currency of the information known about a feature or the degree to which the properties of a feature are accurately and/or completely determined.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Currency Date and Time	1	No Information	Constrained_String	Unitless	20	The date and, optionally, time assigned to a data set (for example: the digital representation of a single feature or a set of features) as a whole that provides an overall assessment of its currency. [Description] Often known as the 'as of' date, the overall currency of a data set is affected by knowledge of the source(s) and processes used to define the location, geometry, and other properties (attributes and associations) of the digital representation.
<u>allowed values:</u> No Information						
Data Quality Statement	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records a general assessment of the quality of a resource (for example: a data instance, a data set or a data processing activity). [Description] The quality of a data resource is dependent on the data providers knowledge regarding the lineage of the data and the processes that have been used to transform that data. No restriction is placed on the length of the statement.
<u>allowed values:</u> No Information						
Existence Certainty Category	1	No Information	Enumeration	Unitless		A general evaluation of the quality of a feature assessment, as a category.
<u>allowed values:</u> Definite			Doubtful			No Information Reported
New Feature Code	1	ZI026	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> ZI026						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
New Referenced Feature Name	1	No Information	String	Unitless	200	The name of the database feature. [Description] This name is to be usable as a reference into a database.
<u>allowed values:</u> No Information						
New Referenced Feature Number	1	-999999	Integer	Unitless	0	The numeric identifier of a feature within a database. [Description] This numeric identifier is to be usable as a reference into a database.
<u>allowed values:</u> -999999						
New Referenced Feature Unique Identifier	1	No Information	String	Unitless	254	The unique identifier associated with the referenced feature instance.
<u>allowed values:</u> No Information						
New Referenced Feature Group Name	1	No Information	String	Unitless	200	The name of the database grouping mechanism that may itself contain features. [Description] This name is to be usable as a reference into a database.
<u>allowed values:</u> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<u>allowed values:</u> No Information						
Underwater Delineation Quality	1	No Information	Enumeration	Unitless		The delineation quality of an underwater feature that is derived from overhead imagery (for example; airborne or satellite remote sensing imagery), as a category. [Description] Water column characteristics and other environmental factors (for example: water surface roughness or sun glint) will degrade the accuracy of the delineated extent of features.
<u>allowed values:</u> Average Delineation No Information			Excellent Delineation Poor Delineation			Good Delineation Highly Obscured Delineation
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<u>allowed values:</u> No Information						

Relationships: FeatureGAMetadata (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
FeatureGAMetadata (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
FeatureGAMetadata (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
FeatureGAMetadata (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
FeatureGAMetadata (Area 00) - is a member of group - Exactly one - InformationSrf (FeatureGroup 00)
FeatureGAMetadata (Area 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
FeatureGAMetadata (Area 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
FeatureGAMetadata (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
FeatureGAMetadata (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - PipelineCrossingPoint (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - StormDrain (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - StreetLamp (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - StreetSign (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - ContaminatedRegion (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - ContaminatedRegion (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - AdministrativeDivision (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - AerationBasin (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - AerialFarm (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - AerialFarm (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - AquaticVegetation (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - AquaticVegetation (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - AstronomicalObservatory (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - AstronomicalObservatory (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Billboard (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Borehole (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Brush (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - MaritimeCautionArea (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - ConservationArea (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - CoolingFacility (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - CoolingFacility (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - CulturalContextLocation (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - CulturalContextLocation (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Desert (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - DredgedArea (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - FeatureAttGAMetadata (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - FeatureGAMetadata (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - ForestClearing (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - FuelStorageFacility (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - FuelStorageFacility (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - GeopoliticalEntity (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Grove (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Grove (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - IceCap (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - IceRoute (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - IndustrialFarm (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - IndustrialFarm (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - IndustrialFurnace (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - IndustrialFurnace (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Installation (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Installation (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - MaritimeRadiobeacon (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - MineShaftSuperstructure (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - MineShaftSuperstructure (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - MunitionStorageFacility (Area 00)

FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - MunitionStorageFacility (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - NonBuildingStructure (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - NonBuildingStructure (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - NuclearReactorContainment (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - NuclearReactorContainment (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - OfficePark (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - OffshoreConstruction (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - OffshoreConstruction (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Port (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Port (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - RailwaySignal (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - RetailStand (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Scoreboard (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - ShoppingComplex (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - ShorelineRamp (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - ShorelineRamp (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - SolarFarm (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - SolarFarm (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - SpaceFacility (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - SpaceFacility (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Stable (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Stable (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - TetheredBalloon (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Tomb (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Tomb (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - TunnelMouth (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - WaterMill (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - WaterMill (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - WaterWell (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - WaterWell (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Waterwork (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Waterwork (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - WeighStation (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - WeighStation (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - WindFarm (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - WindFarm (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - AdministrativeBoundary (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - AircraftRevetment (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - AeroNavaid (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - AircraftHangar (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - AircraftHangar (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Apron (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Amphitheatre (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Amphitheatre (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - AmusementPark (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - AmusementPark (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - AmusementParkAttraction (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - AmusementParkAttraction (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - AmusementParkAttraction (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Anchor (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Anchorage (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Anchorage (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Zoo (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Zoo (Point 00)

FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Aerial (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Aqueduct (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Aqueduct (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Arcade (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Arcade (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - ArcheologicalSite (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - ArcheologicalSite (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - AsphaltLake (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - SportsGround (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - SportsGround (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - MotorVehicleStation (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - MotorVehicleStation (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Barn (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Barn (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Beach (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - BeachProfile (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - MaritimeNavigationBeacon (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Benchmark (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - BlastFurnace (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - BlastFurnace (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - VesselLift (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Bog (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - BotanicGarden (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - BottomCharacterRegion (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - BottomCharacterRegion (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - BoundaryMonument (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Bridge (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Bridge (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Bridge (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - BridgePier (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - BridgePier (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - BridgePier (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - BridgeSpan (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - BridgeSpan (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - BridgeSpan (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - BridgeSuperstructure (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - BridgeSuperstructure (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - BridgeTower (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Thicket (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - BucketElevator (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - BucketElevator (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Building (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Building (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - BuildingSuperstructure (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - BuildingSuperstructure (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - BuildingSuperstructure (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - BuiltUpArea (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - BuiltUpArea (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Cairn (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - CallingInPoint (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Camp (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Camp (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - CampSite (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - CampSite (Point 00)

FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Canal (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Canal (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - CartTrack (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Castle (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Castle (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - CatalyticCracker (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - CatalyticCracker (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Cemetery (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Cemetery (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Checkpoint (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Cistern (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Smokestack (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - ControlTower (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - ControlTower (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Conveyor (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - CoolingTower (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - CoolingTower (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Courtyard (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Crane (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Crane (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Crevasse (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Crevasse (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Crib (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Crib (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - CropLand (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Crossing (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Culvert (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Culvert (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Dam (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Dam (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Dam (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - DepthContour (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - DepthCurve (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - DepthCurve (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - DepthArea (Area 00)
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FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - DistanceMark (Point 00)
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FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - DragonsTeeth (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - DriveInTheatre (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - OutdoorTheatreScreen (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - OutdoorTheatreScreen (Point 00)
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FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Cable (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - ElevationContour (Line 00)
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FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - ExcavatingMachine (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - ExcavatingMachine (Point 00)
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FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - ExtractionMine (Point 00)
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FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - FishingStakes (Line 00)
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FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - FloatingDryDock (Area 00)
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FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Fountain (Point 00)
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FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Hopper (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Hulk (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Hummock (Area 00)
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FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Lock (Point 00)
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FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - IcePeak (Point 00)
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FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - MissileSite (Point 00)
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FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Dolphin (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - MooringMast (Point 00)
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FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - MountainPass (Point 00)
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FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - ParticleAccelerator (Point 00)
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FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - VanishingPoint (Point 00)
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FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Roundhouse (Point 00)
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FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Ruins (Point 00)
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FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Stopway (Area 00)
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FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Lookout (Point 00)
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FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - SeaplaneRun (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Sabkha (Area 00)
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FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Settlement (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - SettlingPond (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - ShantyTown (Area 00)
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FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - SharpCurve (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - ShearWall (Line 00)

FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Shed (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Shed (Point 00)
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FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Shipyard (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Shoreline (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - ShorelineConstruction (Area 00)
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FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Sidewalk (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - SkiJump (Line 00)
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FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - SluiceGate (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - SluiceGate (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - SmallCraftFacility (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - SmallCraftFacility (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Snag (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - SolarPanel (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - SolarPanel (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Sounding (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Spillway (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Spillway (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - SpotElevation (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Stadium (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Stadium (Point 00)
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FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Stair (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - InsubstantialNavMark (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - SteepGrade (Line 00)
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FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - SurfaceBunker (Point 00)
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FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - ShippingContainer (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - StorageDepot (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - StorageDepot (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - StorageTank (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - StorageTank (Point 00)
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FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - StructuralPile (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - HazardousRock (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - GeodeticPoint (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Swamp (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - SweptArea (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - SwimmingPool (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - SwimmingPool (Point 00)
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FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Orchard (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Taxiway (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Taxiway (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Cableway (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Cut (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Depression (Area 00)

FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Depression (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - TestSite (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - TidalStreamObserveStation (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Tower (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Tower (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - TrafficSeparationScheme (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - TrafficSeparationScheme (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - TrafficSeparationScheme (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Trail (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - TrainingSite (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - TrainingSite (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - TransportationBlock (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - TransportationBlock (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - TransportationStation (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - TransportationStation (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Tree (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Tundra (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Tunnel (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Tunnel (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - UndergroundBunker (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - UndergroundBunker (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - UndergroundDwelling (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - VehicleBarrier (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - VehicleBarrier (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - VehicleLot (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Berth (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Vineyard (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Vineyard (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - VoidCollectionArea (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - VolcanicDyke (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Volcano (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Volcano (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Wall (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - WaterbodyDivider (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - TidalWater (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - WaterIntakeTower (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - WaterIntakeTower (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - WaterTower (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - WaterTower (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - WaterTreatmentBed (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - WaterTurbulence (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - WaterTurbulence (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - WaterTurbulence (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Waterfall (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Waterfall (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - NaturalPool (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - NaturalPool (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - FiringRange (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - FiringRange (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - WindTurbine (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Windmill (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Windmill (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Cane (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - FireHydrant (Point 00)

FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - MaritimeSignalStation (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Parcel (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Crevice (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Crevice (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Embankment (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Embankment (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - SkiRun (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - SkiRun (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - CaravanPark (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - AerodromeBeacon (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - BasinGate (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - BasinGate (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - CastleComplex (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - CastleComplex (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - CausewayStructure (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - CausewayStructure (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - CutLine (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - EngineeredEarthwork (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - EngineeredEarthwork (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - FishFarmFacility (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - FishFarmFacility (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - FloodControlStructure (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - FloodControlStructure (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - FloodControlStructure (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - FortifiedBuilding (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - FortifiedBuilding (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - InlandWaterbody (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - InlandWaterbody (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - LandAerodrome (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - LandAerodrome (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - MaricultureSite (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - MemorialMonument (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - MemorialMonument (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - MemorialMonument (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - QanatShaft (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Railway (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - SewageTreatmentPlant (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - SewageTreatmentPlant (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - ShipElevator (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - ShipElevator (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - ShipElevator (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - TransRouteCharacterChange (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - TransRouteCharacterChange (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - TransRouteProtectStruct (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - TransRouteProtectStruct (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - TransRouteProtectStruct (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - WaterAerodrome (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - WaterAerodrome (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - WaterRace (Line 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - CaveChamber (Area 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - CaveMouth (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - NonWaterWell (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - WaterMovementDataLocation (Point 00)
FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - SnowIceField (Area 00)

FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - ControlPoint (Point 00)
 FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - LandingZone (Point 00)
 FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - TrafficLight (Point 00)
 FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - InstallationBoundary (Area 00)
 FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - CantonmentArea (Area 00)
 FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - WasteHeap (Area 00)
 FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - WasteHeap (Point 00)
 FeatureGAMetadata (Area 00) - provides feature metadata for - Zero or more - Aquifer (Area 00)

Feature Fence (Line 00)

New ☐ Fence

A man-made barrier of relatively light structure used as an enclosure or boundary. [Description] Similar structures that are constructed of heavy materials (for example: stone, rock or masonry) are classified as walls.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Barrier Top Type	1	No Information	Enumeration	Unitless	0	The type of structure and/or material mounted on the top of a barrier (for example: a fence or a wall).
<i>allowed values:</i> Barbed Wire No Information			Chain-link Other			Concertina Wire Spiked Electrified Wire
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL070	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL070						
Fence Type	1	No Information	Enumeration	Unitless	0	The type of a fence based on the type of materials used in its construction.
<i>allowed values:</i> Barbed Wire Metal Wood			Chain-link Netting			Electrified Wire No Information Geotextile Other
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True

New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	allowed values:	Damaged No Information Unmaintained		Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
	Predominant Feature Height	1	[-999999, -999999]	Real_Interval	Metre		The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).
	allowed values:	[-999999, -999999]		-999999			
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	allowed values:	U					
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
	allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
	allowed values:	No Information					
	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
	allowed values:	No Information					
	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
	allowed values:	No Information					
	Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
	allowed values:	Brick No Information Steel	Concrete Other Stone			Masonry Prestressed Concrete Wood	Metal Reinforced Concrete
	Thickness	1	-999999	REAL	Metre	0	The distance between the two opposite surfaces of an object, usually the distance of smallest measure. [Description] The third dimension of an object, distinct from length and width (breadth).
	allowed values:	-999999					

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Relationships: Fence (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Fence (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Fence (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Fence (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Fence (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Fence (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Fence (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Fence (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Fence (Line 00) - is a member of group - Exactly one - StructureCrv (FeatureGroup 00)

Feature FerryCrossing (Line 00)

New ☐ Ferry Crossing

A route where a ferry crosses from one shore to another.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AQ070	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: AQ070						
Ferry Crossing Distance	1	-999999	REAL	Metre	0	The length of a route in a body of water where a ferry crosses from one shoreline to another.
allowed values: -999999						
Ferry Crossing Type	1	No Information	Enumeration	Unitless	0	The type of a ferry crossing based on the maneuverability of the vessel.
allowed values: Cable Other			Free-moving			Ice No Information
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values: No Information						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
allowed values: Accurate			Approximate			Doubtful No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Motorized Crossing	1	No Information	Boolean	Unitless	0	An indication that a ferry is propelled across a waterbody by a motor located on either the vessel or the shore.
allowed values: FALSE			No Information			TRUE

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Operating Cycle	1	No Information	Enumeration	Unitless	0	The time(s) during which a feature is usable.
<i>allowed values:</i> Continuously Operating No Information Winter Season			Daytime Other			Never Operating Restricted Night-time Summer Season
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Under Construction			Destroyed Other Unmaintained			Dismantled Ruined Intact Site Preparation
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)			Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						

Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
allowed values:	No Information Road		Other			Pedestrian Railway
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: FerryCrossing (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 FerryCrossing (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 FerryCrossing (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 FerryCrossing (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 FerryCrossing (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 FerryCrossing (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 FerryCrossing (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 FerryCrossing (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 FerryCrossing (Line 00) - is a member of group - Exactly one - TransportationWaterCrv (FeatureGroup 00)

Feature FerryCrossing (Point 00)

New ☐ Ferry Crossing

A route where a ferry crosses from one shore to another.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values:	No Information Partially Operational		Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ070	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values:	AQ070					
Ferry Crossing Distance	1	-999999	REAL	Metre	0	The length of a route in a body of water where a ferry crosses from one shoreline to another.
allowed values:	-999999					
Ferry Crossing Type	1	No Information	Enumeration	Unitless	0	The type of a ferry crossing based on the maneuverability of the vessel.
allowed values:	Cable Other		Free-moving			Ice No Information
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values:	No Information					
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
allowed values:	Accurate		Approximate			Doubtful No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values:	-999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values:	No Information					

Motorized Crossing	1	No Information	Boolean	Unitless	0	An indication that a ferry is propelled across a waterbody by a motor located on either the vessel or the shore.				
<i>allowed values:</i> FALSE			No Information		TRUE					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.				
<i>allowed values:</i> No Information										
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.				
<i>allowed values:</i> False			No Information		True					
Operating Cycle	1	No Information	Enumeration	Unitless	0	The time(s) during which a feature is usable.				
<i>allowed values:</i> Continuously Operating No Information Winter Season			Daytime Other		Never Operating Restricted		Night-time Summer Season			
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.				
<i>allowed values:</i> Damaged No Information Under Construction			Destroyed Other Unmaintained		Dismantled Ruined		Intact Site Preparation			
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.				
<i>allowed values:</i> U										
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.				
<i>allowed values:</i>			Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)	
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.				
<i>allowed values:</i> No Information										
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.				
<i>allowed values:</i> No Information										

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> No Information Road			Other			Pedestrian Railway
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: FerryCrossing (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 FerryCrossing (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 FerryCrossing (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 FerryCrossing (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 FerryCrossing (Point 00) - is a member of group - Exactly one - TransportationWaterPnt (FeatureGroup 00)
 FerryCrossing (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
 FerryCrossing (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 FerryCrossing (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature FerryStation (Area 00)

New ☐ Ferry Station

A location where a ferry takes on or discharges its load.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Attached Building	1	No Information	Boolean	Unitless	0	An indication that a building is physically contiguous (for example: shares a common wall) with one or more adjacent buildings.
<i>allowed values:</i> FALSE			No Information			TRUE
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ080	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ080						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Emergency Operations No Information Railway Transport			Inland Waters Transport Other Road Transport			Inspection Pedestrian Transport Stop Meeting Place Postal Activities Water Transport
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The type of designated hazard protection shelter based on the kind of emergency. [Description] These shelters may be inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
	<i>allowed values:</i> Bomb Shelter Storm Shelter			Fallout Shelter			No Information Other
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999						
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999						
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
New	Multi-unit Building	1	No Information	Boolean	Unitless	0	An indication that a building is divided into two or more distinct sets of rooms or other interior spaces that are internally fully-connected while being separated from each other and common areas by controlled access point(s) (for example: lockable doors) that enable physical privacy and security for its occupants.
	<i>allowed values:</i> FALSE			No Information			TRUE
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<i>allowed values:</i> U						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
allowed values:	Conical Flat with Parapet Pitched with Clerestory With Clerestory With Steeple		Domed No Information Pyramidal With Cupola With Tower		Flat Other Sawtoothed With Minaret With Turret	Flat with Clerestory Pitched Semi-cylindrical With Smokestack
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
allowed values:	No Information Road		Other			Pedestrian Railway
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values:	No Information					

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: FerryStation (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 FerryStation (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 FerryStation (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 FerryStation (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 FerryStation (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 FerryStation (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 FerryStation (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 FerryStation (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 FerryStation (Area 00) - is a member of group - Exactly one - TransportationWaterSrf (FeatureGroup 00)

Feature FerryStation (Point 00)

New ☐ Ferry Station

A location where a ferry takes on or discharges its load.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Attached Building	1	No Information	Boolean	Unitless	0	An indication that a building is physically contiguous (for example: shares a common wall) with one or more adjacent buildings.
<i>allowed values:</i> FALSE			No Information			TRUE
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ080	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ080						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Emergency Operations No Information Railway Transport			Inland Waters Transport Other Road Transport			Inspection Pedestrian Transport Stop Meeting Place Postal Activities Water Transport
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The type of designated hazard protection shelter based on the kind of emergency. [Description] These shelters may be inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
<i>allowed values:</i> Bomb Shelter Storm Shelter			Fallout Shelter			No Information Other

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
New Multi-unit Building	1	No Information	Boolean	Unitless	0	An indication that a building is divided into two or more distinct sets of rooms or other interior spaces that are internally fully-connected while being separated from each other and common areas by controlled access point(s) (for example: lockable doors) that enable physical privacy and security for its occupants.
<i>allowed values:</i> FALSE		No Information			TRUE	
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False		No Information			True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
allowed values:	Conical Flat with Parapet Pitched with Clerestory With Clerestory With Steeple		Domed No Information Pyramidal With Cupola With Tower		Flat Other Sawtoothed With Minaret With Turret	Flat with Clerestory Pitched Semi-cylindrical With Smokestack
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
allowed values:	No Information Road		Other			Pedestrian Railway
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values:	No Information					

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: FerryStation (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 FerryStation (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 FerryStation (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 FerryStation (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 FerryStation (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 FerryStation (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 FerryStation (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 FerryStation (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 FerryStation (Point 00) - is a member of group - Exactly one - TransportationWaterPnt (FeatureGroup 00)

Feature FireHydrant (Point 00)

New ☐ Fire Hydrant

An apparatus for drawing water directly from a main, especially alongside a street or road, consisting of a pipe with one or more nozzles or spouts, to which a hose of a fire-engine may be attached.

	Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New	Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre		The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
	allowed values: -999999						
New	Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre		The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	allowed values: -999999						
New	Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density		The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	allowed values: -999999						
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre		The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN ⁻ . These are powerful poisons that are toxic to humans and aquatic life.
	allowed values: -999999						
	Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
	allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New	Feature Code	1	AL017	CONSTRAINED_STRING	Unitless	5	Feature Code
	allowed values: AL017						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	allowed values: No Information						
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.

<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
New Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre		The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False No Information True						
New Water Resource Information : pH of Water	1	-999999	Real	Milligrams per Litre		The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
<u>allowed values:</u> -999999						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u> Damaged Destroyed Dismantled Intact No Information Ruined Site Preparation Under Construction Unmaintained						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)		
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)		
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)		
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)		
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)		
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)		
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)		
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army		
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard		
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State		
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)		
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration		
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)		
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)		
U.S. Transportation Command (USTRANSCOM)						
<hr/>						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<hr/>						
allowed values:	No Information					
<hr/>						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<hr/>						
allowed values:	No Information					
<hr/>						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<hr/>						
allowed values:	No Information					
<hr/>						
Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre		The mass of sulfate ions per volume of solution.
<hr/>						
allowed values:	-999999					
<hr/>						
Water Resource Information : Temperature	1	-999999	Real	Degree Celsius		The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<hr/>						
allowed values:	-999999					
<hr/>						
Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre		The total mass of dissolved inorganic chemical constituents per volume of solution.
<hr/>						
allowed values:	-999999					
<hr/>						
Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units		The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<hr/>						
allowed values:	-999999					
<hr/>						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<hr/>						
allowed values:	No Information					
<hr/>						
Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime		The electrical conductivity of water.
<hr/>						
allowed values:	-999999					

New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<i>allowed values:</i> -999999					
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	The potability of water based on the type of treatment required before it is safe for human consumption.
	<i>allowed values:</i> Contaminated Potable			No Information Treatable		Nonpotable Other
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	The type of available water based on its composition.
	<i>allowed values:</i> Alkaline Mineral Saline			Brackish No Information Seawater		Brine Not Applicable Fresh Other
New	Water Resource Information : Water Use	1	No Information	Enumeration	Unitless	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.
	<i>allowed values:</i> Agricultural Irrigation Institutional Other			Commercial Livestock Power Generation		Domestic Irrigation Municipal Recreational Industrial No Information Sanitary Domestic

Relationships: FireHydrant (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 FireHydrant (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 FireHydrant (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 FireHydrant (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 FireHydrant (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 FireHydrant (Point 00) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup 00)

Feature FiringRange (Area 00)

New ☐ Firing Range

A site designated for the purpose of discharging firearms or detonating munitions.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	FA015	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> FA015						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Defence Activities Recreation			Law Enforcement			No Information Other
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).
<i>allowed values:</i> Air Force Coastguard No Information			Air National Guard Joint Not Applicable			Army Marines Other Army National Guard Navy
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Permanent	1	No Information	Boolean	Unitless	0	An indication that a feature is permanent. [Description] Temporary features last, or are meant to last, for a limited time only.
<i>allowed values:</i> FALSE			No Information			TRUE
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
allowed values:	Boulders No Information Rock		Brick Other Soil		Concrete Prestressed Concrete Wood	Masonry Reinforced Concrete
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Weapons Range Type	3	No Information	Enumeration	Unitless	0	The type of a weapons range based on its intended use(s).
allowed values:	Demolition Area No Information		Field Artillery Other		Grenade Small Arms	Impact Area Tank
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: FiringRange (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 FiringRange (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 FiringRange (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 FiringRange (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 FiringRange (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 FiringRange (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 FiringRange (Area 00) - is a member of group - Exactly one - MilitarySrf (FeatureGroup 00)
 FiringRange (Area 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature FiringRange (Point 00)New ☐ Firing Range

A site designated for the purpose of discharging firearms or detonating munitions.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	FA015	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> FA015						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Defence Activities Recreation			Law Enforcement			No Information Other
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).	
<i>allowed values:</i> Air Force Coastguard No Information			Air National Guard Joint Not Applicable		Army Marines Other		Army National Guard Navy
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information							
Permanent	1	No Information	Boolean	Unitless	0	An indication that a feature is permanent. [Description] Temporary features last, or are meant to last, for a limited time only.	
<i>allowed values:</i> FALSE			No Information		TRUE		
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.	
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation		Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i> U							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
<i>allowed values:</i> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
<i>allowed values:</i> No Information							

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Boulders No Information Rock			Brick Other Soil			Concrete Prestressed Concrete Wood Masonry Reinforced Concrete
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Weapons Range Type	3	No Information	Enumeration	Unitless	0	The type of a weapons range based on its intended use(s).
<i>allowed values:</i> Demolition Area No Information			Field Artillery Other			Grenade Small Arms Impact Area Tank
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: FiringRange (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 FiringRange (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 FiringRange (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 FiringRange (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 FiringRange (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 FiringRange (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 FiringRange (Point 00) - is a member of group - Exactly one - MilitaryPnt (FeatureGroup 00)
 FiringRange (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature FishFarmFacility (Area 00)New ☐ Fish Farm Facility

A facility involved in the breeding (hatching and associated activities) and cultivation (raising for release or harvesting) of fish in tanks or landlocked enclosures. [Description]
Fish species raised on fish farms include, for example, salmon, catfish, tilapia, cod, carp, and trout.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre		The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999						

New	Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre		The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density		The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre		The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<u>allowed values:</u> -999999						
	Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
	<u>allowed values:</u> No Information Partially Operational			Non-operational Planned		Not in Operation Temporarily Non-operational	Operational
New	Feature Code	1	BH051	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<u>allowed values:</u> BH051						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
	Hydrologic Persistence	1	No Information	Enumeration	Unitless		The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<u>allowed values:</u> Dry Perennial			Ephemeral		Intermittent	No Information
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre		The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<u>allowed values:</u> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information		True	
New	Water Resource Information : pH of Water	1	-999999	Real	Milligrams per Litre		The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<u>allowed values:</u> -999999						
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.

<i>allowed values:</i> <i>Damaged</i> No Information <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>			<i>Dismantled</i> <i>Site Preparation</i>	<i>Intact</i> <i>Under Construction</i>
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.	
<i>allowed values:</i> Bivalve Mollusc Mussels			Crustacean No Information			Cultivated Shellfish Other	Fish Oysters
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i> <i>U</i>							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
<i>allowed values:</i> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)			Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
<i>allowed values:</i> No Information							
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
<i>allowed values:</i> No Information							
New Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre		The mass of sulfate ions per volume of solution.	
<i>allowed values:</i> -999999							
New Water Resource Information : Temperature	1	-999999	Real	Degree Celsius		The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.	
<i>allowed values:</i> -999999							
New Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre		The total mass of dissolved inorganic chemical constituents per volume of solution.	
<i>allowed values:</i> -999999							

New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<u>allowed values:</u> -999999						
	Unique Entity Identifier	1	No Information	String	Unitless 254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<u>allowed values:</u> No Information						
	Volume	1	-999999	REAL	Cubic Metre	The volume of a feature. [Description] For example, the storage capacity of a water tower.
<u>allowed values:</u> -999999						
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	The electrical conductivity of water.
<u>allowed values:</u> -999999						
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
<u>allowed values:</u> -999999						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	The potability of water based on the type of treatment required before it is safe for human consumption.
<u>allowed values:</u> Contaminated Potable No Information Treatable Nonpotable Other						
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	The type of available water based on its composition.
<u>allowed values:</u> Alkaline Mineral Saline Brackish No Information Seawater Brine Not Applicable Fresh Other						
New	Water Resource Information : Water Use	1	No Information	Enumeration	Unitless	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.
<u>allowed values:</u> Agricultural Irrigation Institutional Other Commercial Livestock Power Generation Domestic Irrigation Municipal Recreational Industrial No Information Sanitary Domestic						
	Width	1	-999999	REAL	Metre 0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: FishFarmFacility (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 FishFarmFacility (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 FishFarmFacility (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 FishFarmFacility (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 FishFarmFacility (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 FishFarmFacility (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 FishFarmFacility (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 FishFarmFacility (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 FishFarmFacility (Area 00) - is a member of group - Exactly one - AgricultureSrf (FeatureGroup 00)

Feature FishFarmFacility (Point 00)

New ☐ Fish Farm Facility

A facility involved in the breeding (hatching and associated activities) and cultivation (raising for release or harvesting) of fish in tanks or landlocked enclosures. [Description]
Fish species raised on fish farms include, for example, salmon, catfish, tilapia, cod, carp, and trout.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre		The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999						
New Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre		The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999						
New Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density		The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999						
New Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre		The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	BH051	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH051						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Hydrologic Persistence	1	No Information	Enumeration	Unitless		The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i> Dry Perennial			<i>Ephemeral</i>			Intermittent No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
New Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre		The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.			
<i>allowed values:</i> No Information									
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.			
<i>allowed values:</i> FalseNo InformationTrue									
New Water Resource Information : pH of Water	1	-999999	Real	Milligrams per Litre		The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.			
<i>allowed values:</i> -999999									
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.			
<i>allowed values:</i> DamagedNo InformationUnmaintainedDestroyedRuinedDismantledSite PreparationIntactUnder Construction									
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.			
<i>allowed values:</i> Bivalve Mollusc MusselsCrustaceanNo InformationCultivated ShellfishOtherFish Oysters									
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.			
<i>allowed values:</i> U									
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.			
<i>allowed values:</i> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)									
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.			
<i>allowed values:</i> No Information									
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.			
<i>allowed values:</i> No Information									

	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
	<i>allowed values:</i> No Information						
New	Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre		The mass of sulfate ions per volume of solution.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Temperature	1	-999999	Real	Degree Celsius		The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre		The total mass of dissolved inorganic chemical constituents per volume of solution.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units		The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<i>allowed values:</i> -999999						
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<i>allowed values:</i> No Information						
	Volume	1	-999999	REAL	Cubic Metre		The volume of a feature. [Description] For example, the storage capacity of a water tower.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime		The electrical conductivity of water.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre		The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<i>allowed values:</i> -999999						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless		The potability of water based on the type of treatment required before it is safe for human consumption.
	<i>allowed values:</i> Contaminated Potable			No Information Treatable		Nonpotable	Other
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless		The type of available water based on its composition.
	<i>allowed values:</i> Alkaline Mineral Saline			Brackish No Information Seawater		Brine Not Applicable	Fresh Other
New	Water Resource Information : Water Use	1	No Information	Enumeration	Unitless		The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.
	<i>allowed values:</i> Agricultural Irrigation Institutional Other			Commercial Livestock Power Generation		Domestic Irrigation Municipal Recreational	Industrial No Information Sanitary Domestic

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: FishFarmFacility (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 FishFarmFacility (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 FishFarmFacility (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 FishFarmFacility (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 FishFarmFacility (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 FishFarmFacility (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 FishFarmFacility (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 FishFarmFacility (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 FishFarmFacility (Point 00) - is a member of group - Exactly one - AgriculturePnt (FeatureGroup 00)

Feature FishingStakes (Line 00)

New ☐ Fishing Stakes

Poles or stakes placed in shallow water to outline fishing grounds or to catch fish.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Hydrographic Vertical Positioning Information : Sounding Metadata : Bathymetric Measurement Quality Category	3	No Information	Enumeration	Unitless	0	A general evaluation of the qualities of a bathymetric measurement, as a category. [Description] Drying heights are typically captured using negative (bathymetric) sounding values; their certainty of measurement may be categorized in the same manner as positive values.
allowed values: Depth Doubtful Least Depth <i>Not Applicable</i> Unconfirmed Depth Depth Doubtful Least Depth <i>Not Applicable</i> Unconfirmed Depth						
			Depth Known Maintained Depth <i>Other</i> Unmaintained Depth			
			Depth Known Maintained Depth <i>Other</i> Unmaintained Depth			
			Depth Unknown No Bottom Reported Depth			
			Depth Unknown No Bottom Reported Depth			
			Depth Unreliable <i>No Information</i> Safe Clearance Known			
			Depth Unreliable <i>No Information</i> Safe Clearance Known			
Hydrographic Base Height : Sounding Metadata : Bathymetric Measurement Technique	3	No Information	Enumeration	Unitless	0	The technique used to determine water depth(s).
allowed values: Area Swept by Side-scan Sonar Computer Generated Lead-line <i>Other</i> Singlebeam Area Swept by Side-scan Sonar Computer Generated Lead-line <i>Other</i> Singlebeam						
			Area Swept by Vertical Acoustic System Diver Levelling Photogrammetry Underwater Utility Vehicle			
			Area Swept by Vertical Acoustic System Diver Levelling Photogrammetry Underwater Utility Vehicle			
			Area Swept by Wire-drag Echo Sounder Multi-beam Echo Sounder Satellite Imagery			
			Area Swept by Wire-drag Echo Sounder Multi-beam Echo Sounder Satellite Imagery			
			Bathymetric LiDAR Electromagnetic Sensor <i>No Information</i> Side-scan Sonar			
			Bathymetric LiDAR Electromagnetic Sensor <i>No Information</i> Side-scan Sonar			
Hydrographic Vertical Positioning Information : Depth Exposition	1	No Information	Enumeration	Unitless	0	Indicates specific depths governed by IHO regulations used in indicating safe navigation, as categories.
allowed values: Covered < 20 metres Covered >= 20 metres but < 30 metres Covered >= 30 metres <i>No Information</i>						

Hydrographic Vertical Positioning Information : Elevation Above Waterbody Floor	1	-999999	REAL	Metre	0	The elevation of an object measured vertically from the waterbody floor to the base (lowest point) of the object.
<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BB100	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BB100						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Hydrographic Vertical Positioning Information : Height Above Waterbody Floor	1	-999999	REAL	Metre	0	The height of an object measured vertically from the waterbody floor to the top (highest point) of the object.
<u>allowed values:</u> -999999						
Hydrographic Vertical Positioning Information : Height of Object	1	-999999	REAL	Metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<u>allowed values:</u> -999999						
Hydrographic Base Height	1	-999999	REAL	Metre	0	The height from a specified sounding datum to the bottom or base of a feature (for example: the base of a lighthouse).
<u>allowed values:</u> -999999						
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	REAL	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<u>allowed values:</u> -999999						
Hydrographic Vertical Positioning Information : Hydrographic Drying Height	1	-999999	REAL	Metre	0	The height of the feature, which tidal waters cover and uncover, referenced to a specified sounding datum.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Hydrographic Vertical Positioning Information : Maritime Navigation Marked	1	No Information	Boolean	Unitless	0	An indication that a feature is significant to maritime safety of navigation and is marked (for example: by a light or beacon) by a maritime-specific navigational aid. [Description] Mariners may also use other prominent features (for example: rotating aeronautical beacons or lighted structures) for informal navigational purposes.
<u>allowed values:</u> FALSE			No Information			TRUE
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Permanent	1	No Information	Boolean	Unitless	0	An indication that a feature is permanent. [Description] Temporary features last, or are meant to last, for a limited time only.
<i>allowed values:</i> FALSE			No Information			TRUE
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)			Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Hydrographic Vertical Positioning Information : Sonar-confirmed	1	No Information	Boolean	Unitless	0	An indication that a contact or other object has been confirmed by sonar.
<i>allowed values:</i> False			No Information			True
Hydrographic Vertical Positioning Information : Sounding Metadata : Sounding Datum	1	No Information	Enumeration	Unitless	0	The tidal datum to which soundings and drying heights are referenced. [Description] It is usually taken to correspond to a low water stage of the tide.

allowed values:	Approximate Lowest Astronomical Tide Approximate Mean Sea Level High Water Springs Highest High Water Local Datum Lower Low Water Large Tide Mean High Water Mean Higher High Water Springs Mean Lower Low Water Mean Water Level No Information	Approximate Mean Low Water Chart Datum (Unspecified) Higher High Water Indian Spring High Water Low Water Lowest Astronomical Tide Mean High Water Neaps Mean Low Water Mean Lower Low Water Springs Neap Tide Other	Approximate Mean Low Water Springs Equinoctial Spring Low Water Higher High Water Large Tide Indian Spring Low Water Low Water Springs Lowest Low Water Mean High Water Springs Mean Low Water Neaps Mean Sea Level Nearly Highest High Water Spring Tide	Approximate Mean Lower Low Water High Water Highest Astronomical Tide International Great Lakes Datum 1985 Lower Low Water Lowest Low Water Springs Mean Higher High Water Mean Low Water Springs Mean Tide Level Nearly Lowest Low Water		
allowed values:	Approximate Lowest Astronomical Tide Approximate Mean Sea Level High Water Springs Highest High Water Local Datum Lower Low Water Large Tide Mean High Water Mean Higher High Water Springs Mean Lower Low Water Mean Water Level No Information	Approximate Mean Low Water Chart Datum (Unspecified) Higher High Water Indian Spring High Water Low Water Lowest Astronomical Tide Mean High Water Neaps Mean Low Water Mean Lower Low Water Springs Neap Tide Other	Approximate Mean Low Water Springs Equinoctial Spring Low Water Higher High Water Large Tide Indian Spring Low Water Low Water Springs Lowest Low Water Mean High Water Springs Mean Low Water Neaps Mean Sea Level Nearly Highest High Water Spring Tide	Approximate Mean Lower Low Water High Water Highest Astronomical Tide International Great Lakes Datum 1985 Lower Low Water Lowest Low Water Springs Mean Higher High Water Mean Low Water Springs Mean Tide Level Nearly Lowest Low Water		
Hydrographic Vertical Positioning Information : Sounding Metadata : Sounding Datum Name	1	No Information	String	Unitless	80	The name of the tidal datum to which soundings and drying heights are referenced. [Description] Used when the sounding datum is known but not specified using Attribute: 'Sounding Datum'.
allowed values:	No Information					
allowed values:	No Information					
Hydrographic Base Height : Sounding Metadata : Sounding Velocity Correction Method	1	No Information	Enumeration	Unitless	0	The method of correction that has been used to correct a sounding velocity instrument reading to obtain the correct depth.
allowed values:	Mathews Tables Sound Velocity Meter	No Information Sunder 1500 Calibrated				Other Sunder Other Calibrated
allowed values:	Mathews Tables Sound Velocity Meter	No Information Sunder 1500 Calibrated				Other Sunder Other Calibrated
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
allowed values:	Metal Wood	No Information				Other Plastic
Hydrographic Vertical Positioning Information : Uncovering Height Known	1	No Information	Boolean	Unitless	0	An indication that information is known about the height to which a marine feature may be uncovered by the tide.
allowed values:	FALSE	No Information				TRUE
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					

Hydrographic Vertical Positioning Information : Sounding Metadata : Vessel Draft Correction	1	No Information	Boolean	Unitless	0	An indication that a vessel draft correction has been applied.
<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.
<i>allowed values:</i> Always Submerged Other			Awash at Chart Datum			Covers and Uncovers No Information
<i>allowed values:</i> Always Dry Covers and Uncovers			Always Submerged No Information			Awash at Chart Datum Awash at Low Water Partly Submerged
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: FishingStakes (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 FishingStakes (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 FishingStakes (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 FishingStakes (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 FishingStakes (Line 00) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup 00)
 FishingStakes (Line 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 FishingStakes (Line 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature FishLadder (Line 00)

New ☐ Fish Ladder

A series of ascending pools constructed to enable fish to swim upstream over (or around) a dam.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information <i>Partially Operational</i>			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	BI060	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BI060						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.

<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u> <i>Damaged</i> <i>Destroyed</i> <i>Dismantled</i> <i>Intact</i> No Information <i>Ruined</i> <i>Site Preparation</i> <i>Under Construction</i> <i>Unmaintained</i>						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)						
Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)						
Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)						
Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<u>allowed values:</u> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<u>allowed values:</u> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<u>allowed values:</u> No Information						

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: FishLadder (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 FishLadder (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 FishLadder (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 FishLadder (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 FishLadder (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 FishLadder (Line 00) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup 00)

Feature FishWeir (Area 00)

New ☐ Fish Weir

A fence of stakes or stones set in a river or along the shore to trap fish.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	BB110	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BB110						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Periodic Restriction Month Interval	1	No Information	String	Unitless	14	The month interval in which seasonal restrictions (for example: due to climate) are present. [Description] For example, a port may be closed during the months of October through April due to ice blockage.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
allowed values: U							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information		Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other		Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden)		Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia)
	Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps		U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP)		U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA)		U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		U.S. Navy U.S. Special Operations Command (USSOCOM)		U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values: No Information							
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values: No Information							
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values: No Information							
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values: No Information							
Relationships: FishWeir (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00) FishWeir (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00) FishWeir (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00) FishWeir (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00) FishWeir (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00) FishWeir (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00) FishWeir (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)							

Feature FishWeir (Point 00)

New ☐ Fish Weir

A fence of stakes or stones set in a river or along the shore to trap fish.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	BB110	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BB110						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Periodic Restriction Month Interval	1	No Information	String	Unitless	14	The month interval in which seasonal restrictions (for example: due to climate) are present. [Description] For example, a port may be closed during the months of October through April due to ice blockage.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: FishWeir (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 FishWeir (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 FishWeir (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 FishWeir (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 FishWeir (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 FishWeir (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 FishWeir (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 FishWeir (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 FishWeir (Point 00) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup 00)

Feature Flagpole (Point 00)New ☐ Flagpole**A staff or pole on which a flag is raised.**

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

Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AL073	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL073						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Height of Object	1	-999999	REAL	Metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.

allowed values: No Information

Relationships: Flagpole (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Flagpole (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Flagpole (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Flagpole (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Flagpole (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Flagpole (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Flagpole (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Flagpole (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Flagpole (Point 00) - is a member of group - Exactly one - StructurePnt (FeatureGroup 00)

Feature FlarePipe (Point 00)New ☐ Flare Pipe**An open-ended pipe at which waste gases are burned.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
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Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<u>allowed values:</u>	<i>False</i>		<i>No Information</i>			<i>True</i>
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u>	<i>-999999</i>					
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u>	<i>No Information</i> <i>Partially Operational</i>		<i>Non-operational</i> <i>Planned</i>			<i>Not in Operation</i> <i>Temporarily Non-operational</i> <i>Operational</i>
New Feature Code	1	AF070	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u>	<i>AF070</i>					
Guyed	1	No Information	Boolean	Unitless	0	An indication that an object is guided, secured, or steadied by guy wires.
<u>allowed values:</u>	<i>False</i>		<i>No Information</i>			<i>True</i>
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u>	<i>-999999</i>					
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u>	<i>-999999</i>					
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u>	<i>-999999</i>					
Location Referenced to Shoreline	1	No Information	Enumeration	Unitless	0	The location of an object in relation to a land water boundary.
<u>allowed values:</u>	<i>At Shoreline</i>		<i>Inland</i>			<i>No Information</i> <i>Offshore</i>
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u>	<i>No Information</i>					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u>	<i>False</i>		<i>No Information</i>			<i>True</i>
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u>	<i>Damaged</i> <i>No Information</i> <i>Unmaintained</i>		<i>Destroyed</i> <i>Ruined</i>			<i>Dismantled</i> <i>Site Preparation</i> <i>Intact</i> <i>Under Construction</i>
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u>	<i>U</i>					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)		
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)		
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)		
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)		
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)		
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)		
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)		
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army		
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard		
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State		
U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)			
U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration			
U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)			
U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)			
U.S. Transportation Command (USTRANSCOM)						
<hr/>						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<hr/>						
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<hr/>						
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<hr/>						
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<hr/>						
allowed values:	No Information					
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
allowed values:	Concrete Other		Masonry Steel			Metal No Information
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
<hr/>						
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<hr/>						
allowed values:	-999999					

Relationships: FlarePipe (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 FlarePipe (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 FlarePipe (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 FlarePipe (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 FlarePipe (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 FlarePipe (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 FlarePipe (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 FlarePipe (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 FlarePipe (Point 00) - is a member of group - Exactly one - IndustryPnt (FeatureGroup 00)

Feature FloatingDryDock (Area 00) New ☐ Floating Dry Dock

A form of dry dock consisting of a floating structure of one or more sections which can be partly submerged by controlled flooding to receive a vessel, then raised by pumping out the water so that the vessel's bottom can be exposed.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> <div> <div>Civilian</div> <div>National</div> <div>Public</div> </div> <div> <div>International</div> <div>No Information</div> <div>State</div> </div> <div> <div>Joint Military and Civilian</div> <div>Other</div> </div> <div> <div>Military</div> <div>Private</div> </div>						
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> <div>No Information</div> <div>Partially Operational</div> <div>Non-operational</div> <div>Planned</div> <div>Not in Operation</div> <div>Temporarily Non-operational</div> <div>Operational</div>						
New Feature Code	1	BB199	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BB199						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

	<i>allowed values:</i> -999999						
New	Maximum Water Depth	1	-999999	Real	Metre		Maximum water depth the object was designed to hold.
	<i>allowed values:</i> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information		True	
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<i>allowed values:</i> Damaged			Destroyed		Dismantled	Intact
	No Information			Ruined		Site Preparation	Under Construction
	Unmaintained						
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<i>allowed values:</i> U						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
	<i>allowed values:</i> Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)		Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)		Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)			Geographic Service (Belgium)		Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)		Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)			Military Geographic Group (Estonia)		Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)		Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information			Other		Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)		U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)		U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)		U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)		U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)		U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)		U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)		U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)						
	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
	<i>allowed values:</i> No Information						
	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
	<i>allowed values:</i> No Information						
	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.

allowed values: No Information

Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
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allowed values: No Information

			Other			Steel	Wood
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	

allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	
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allowed values: -999999

Relationships: FloatingDryDock (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 FloatingDryDock (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 FloatingDryDock (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 FloatingDryDock (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 FloatingDryDock (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 FloatingDryDock (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 FloatingDryDock (Area 00) - is a member of group - Exactly one - PortHarbourSrf (FeatureGroup 00)

Feature FloodControlStructure (Area 00)New ☐ Flood Control Structure

An artificial structure or gate that is utilized as a defense against flooding or storm surges. [Description] Consideration should be given to using the more specific Dam or Embankment features where appropriate in lieu of Flood Control Structure.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.

allowed values: -999999

Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
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allowed values: -999999

Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
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allowed values: No Information
 Partially Operational

Non-operational
 Planned
 Not in Operation
 Temporarily Non-operational

Operational

New Feature Code	1	BI044	CONSTRAINED_STRING	Unitless	5	Feature Code
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allowed values: BI044

Flood Control Structure Type	1	No Information	Enumeration	Unitless	0	The type of a flood control structure based on its structure and/or intended use.
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allowed values: Dyke Gate
 Movable Barrage

Emergency Gate
 No Information

Fixed Barrage
 Other

Flood Gate

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

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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FloodControlStructure (Area 00)

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
allowed values:	Brick No Information Rock Wood		Concrete Other Soil		Gravel Prestressed Concrete Steel	Masonry Reinforced Concrete Treated Timber
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: FloodControlStructure (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 FloodControlStructure (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 FloodControlStructure (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 FloodControlStructure (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 FloodControlStructure (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 FloodControlStructure (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 FloodControlStructure (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)

Feature FloodControlStructure (Line 00)New ☐ Flood Control Structure

An artificial structure or gate that is utilized as a defense against flooding or storm surges. [Description] Consideration should be given to using the more specific Dam or Embankment features where appropriate in lieu of Flood Control Structure.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	BI044	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BI044						
Flood Control Structure Type	1	No Information	Enumeration	Unitless	0	The type of a flood control structure based on its structure and/or intended use.
<i>allowed values:</i> Dyke Gate Movable Barrage			Emergency Gate No Information			Fixed Barrage Other Flood Gate
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.			
<i>allowed values:</i> No Information									
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.			
<i>allowed values:</i> No Information									
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.			
<i>allowed values:</i> <div>Damaged</div> <div>No Information</div> <div>Unmaintained</div> <div>Destroyed</div> <div>Ruined</div> <div>Dismantled</div> <div>Site Preparation</div> <div>Intact</div> <div>Under Construction</div>									
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.			
<i>allowed values:</i> U									
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.			
<i>allowed values:</i> <div>Army Geographic Agency (Netherlands)</div> <div>Defence Acquisition and Logistics Organization (Denmark)</div> <div>General Command of Mapping (Turkey)</div> <div>Geospatial Intelligence Organisation (New Zealand)</div> <div>Mapping Service (Hungary)</div> <div>Military Mapping Centre (Lithuania)</div> <div>No Information</div> <div>Topographic Service (Finland)</div> <div>U.S. Army Geospatial Center (AGC)</div> <div>U.S. Defense Intelligence Agency (DIA)</div> <div>U.S. European Command (USEUCOM)</div> <div>U.S. Marine Corps</div> <div>U.S. National Reconnaissance Office (NRO)</div> <div>U.S. Pacific Command (PACOM)</div> <div>U.S. Transportation Command (USTRANSCOM)</div> <div>Army Geographic Centre (Spain)</div> <div>Defence Geographic Centre Intelligence Collection Group (United Kingdom)</div> <div>Geographic Service (Belgium)</div> <div>Hellenic Military Geographic Service (Greece)</div> <div>Military Geographic Group (Estonia)</div> <div>Military Topographic Directorate (Romania)</div> <div>Other</div> <div>U.S. Africa Command (USAFRICOM)</div> <div>U.S. Central Command (USCENTCOM)</div> <div>U.S. Department of Energy (DOE)</div> <div>U.S. Federal Bureau of Investigation (FBI)</div> <div>U.S. National Civil Applications Program (NCAP)</div> <div>U.S. National Security Agency (NSA)</div> <div>U.S. Southern Command (USSOUTHCOM)</div> <div>Army Geographic Institute (Portugal)</div> <div>Defence Imagery and Geospatial Organisation (Australia)</div> <div>Geographic Service of the Czech Armed Forces (Czech Republic)</div> <div>Joint Geography Bureau (France)</div> <div>Military Geographic Service (Norway)</div> <div>Military Topographic Service (Bulgaria)</div> <div>Swedish Armed Forces (Sweden)</div> <div>U.S. Air Force</div> <div>U.S. Central Intelligence Agency (CIA)</div> <div>U.S. Department of Homeland Security (DHS)</div> <div>U.S. Geological Survey (USGS)</div> <div>U.S. National Geospatial-Intelligence Agency (NGA)</div> <div>U.S. Navy</div> <div>U.S. Special Operations Command (USSOCOM)</div> <div>Bundeswehr Geoinformation Office (Germany)</div> <div>Defense Information Security (Italy)</div> <div>Geospatial Information Agency (Latvia)</div> <div>Mapping and Charting Establishment (Canada)</div> <div>Military Geography Division (Poland)</div> <div>National Army Topographic Service (Moldova)</div> <div>Topographic Institute (Slovakia)</div> <div>U.S. Army</div> <div>U.S. Coast Guard</div> <div>U.S. Department of State</div> <div>U.S. Joint Forces Command (USJFCOM)</div> <div>U.S. National Oceanic and Atmospheric Administration</div> <div>U.S. Northern Command (USNORTHCOM)</div> <div>U.S. Strategic Command (USSTRATCOM)</div>									
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.			
<i>allowed values:</i> No Information									
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.			
<i>allowed values:</i> No Information									
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.			
<i>allowed values:</i> No Information									
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.			
<i>allowed values:</i> <div>Brick</div> <div>No Information</div> <div>Rock</div> <div>Wood</div> <div>Concrete</div> <div>Other</div> <div>Soil</div> <div>Gravel</div> <div>Prestressed Concrete</div> <div>Steel</div> <div>Masonry</div> <div>Reinforced Concrete</div> <div>Treated Timber</div>									

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: FloodControlStructure (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 FloodControlStructure (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 FloodControlStructure (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 FloodControlStructure (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 FloodControlStructure (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 FloodControlStructure (Line 00) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup 00)

Feature FloodControlStructure (Point 00)

New ☐ Flood Control Structure

An artificial structure or gate that is utilized as a defense against flooding or storm surges. [Description] Consideration should be given to using the more specific Dam or Embankment features where appropriate in lieu of Flood Control Structure.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BI044	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BI044						
Flood Control Structure Type	1	No Information	Enumeration	Unitless	0	The type of a flood control structure based on its structure and/or intended use.
<u>allowed values:</u> Dyke Gate Movable Barrage			Emergency Gate No Information			Fixed Barrage Other Flood Gate
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.

allowed values: -999999

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.

allowed values: No Information

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
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allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
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<i>allowed values:</i> Brick			Concrete			Masonry
No Information			Other			Reinforced Concrete
Rock			Soil			Treated Timber
Wood						

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

- Relationships:** FloodControlStructure (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 FloodControlStructure (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 FloodControlStructure (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 FloodControlStructure (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 FloodControlStructure (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 FloodControlStructure (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 FloodControlStructure (Point 00) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup 00)

Feature Ford (Area 00)

New ☐ Ford

A shallow place in a body of water used as a crossing.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999

Bottom Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing the bottom of a body of water.
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<i>allowed values:</i> Bedrock			Clay and Silt			No Information
Other			Paved			Rocks and Boulders
Sand			Sand and Gravel			

Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
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<i>allowed values:</i> No Information			Non-operational			Operational
Partially Operational			Planned			

New	Feature Code	1	BH070	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<u>allowed values:</u> BH070						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<u>allowed values:</u> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
	Predominant Average Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average water velocity, exclusive of high water due to runoff or low water due to drought.
	<u>allowed values:</u> [-999999, -999999]						
	Predominant Maximum Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	<u>allowed values:</u> [-999999, -999999]			No Information			
	Predominant Maximum Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.
	<u>allowed values:</u> [-999999, -999999]						
	Predominant Minimum Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	<u>allowed values:</u> [-999999, -999999]			No Information			
	Predominant Minimum Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average minimum (seasonal low water) water velocity, exclusive of high water due to runoff or low water due to drought.
	<u>allowed values:</u> [-999999, -999999]						
	Predominant Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	<u>allowed values:</u> [-999999, -999999]						
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<u>allowed values:</u> U						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Route Pavement Information : Route Surface Composition	1	No Information	Enumeration	Unitless	0	The composition(s) of a durable surface (for example: a pavement) intended to sustain ground traffic (for example: vehicular traffic or foot traffic). [Description] Depending on the traffic situation (for example: on a floor, in a courtyard, or on a road) different compositions may be used, however in general such surfaces are composed of pieces of a hard material fitted closely together (for example: cobble-stone or brick) or of an undivided hard layer (for example: concrete) so as to give a compact, uniform, and smooth surface.
allowed values:	Aggregate Brick Flexible Pavement No Information Stabilized Earth		Asphalt Cobble-stone Ice Other Unimproved		Asphalt over Concrete Concrete Macadam Rigid Pavement Wood	Bound Surface Corduroy Metal Snow Wood Plank
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
allowed values:	Caravan Route Pack-road Power Line Maintenance		Drove Pedestrian Road		No Information Pipeline Maintenance	Other Portage
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Waterbody Depth	1	-999999	REAL	Metre	0	The distance, measured vertically upward, from the bottom of an inland waterbody to a reference level datum.
allowed values:	-999999					

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Ford (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Ford (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Ford (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Ford (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Ford (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Ford (Area 00) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup 00)

Feature Ford (Line 00)

New ☐ Ford

A shallow place in a body of water used as a crossing.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Bottom Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing the bottom of a body of water.
<i>allowed values:</i> Bedrock Other Sand			Clay and Silt Paved Silty Sands			No Information Rocks and Boulders
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	BH070	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH070						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.

<i>allowed values:</i> <i>Damaged</i> No Information <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>		<i>Dismantled</i> <i>Site Preparation</i>		<i>Intact</i> <i>Under Construction</i>
Predominant Average Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average water velocity, exclusive of high water due to runoff or low water due to drought.	
<i>allowed values:</i> [-999999, -999999]							
Predominant Maximum Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.	
<i>allowed values:</i> [-999999, -999999]			No Information				
Predominant Maximum Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.	
<i>allowed values:</i> [-999999, -999999]			No Information				
Predominant Minimum Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.	
<i>allowed values:</i> [-999999, -999999]			No Information				
Predominant Minimum Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average minimum (seasonal low water) water velocity, exclusive of high water due to runoff or low water due to drought.	
<i>allowed values:</i> [-999999, -999999]							
Predominant Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.	
<i>allowed values:</i> [-999999, -999999]							
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i> U							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
<i>allowed values:</i>							
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)	Military Geography Division (Poland)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
No Information			Other			Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force	U.S. Army
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)	U.S. Department of State
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy	U.S. Northern Command (USNORTHCOM)
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
U.S. Transportation Command (USTRANSCOM)							
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
<i>allowed values:</i> No Information							

Route Pavement Information : Route Surface Composition	1	No Information	Enumeration	Unitless	0	The composition(s) of a durable surface (for example: a pavement) intended to sustain ground traffic (for example: vehicular traffic or foot traffic). [Description] Depending on the traffic situation (for example: on a floor, in a courtyard, or on a road) different compositions may be used, however in general such surfaces are composed of pieces of a hard material fitted closely together (for example: cobble-stone or brick) or of an undivided hard layer (for example: concrete) so as to give a compact, uniform, and smooth surface.
allowed values:	Aggregate Brick Flexible Pavement No Information Stabilized Earth		Asphalt Cobble-stone Ice Other Unimproved			Asphalt over Concrete Concrete Macadam Rigid Pavement Wood Bound Surface Corduroy Metal Snow Wood Plank
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
allowed values:	Caravan Route Pack-road Power Line Maintenance		Drove Pedestrian Road			No Information Pipeline Maintenance Other Portage
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Waterbody Depth	1	-999999	REAL	Metre	0	The distance, measured vertically upward, from the bottom of an inland waterbody to a reference level datum.
allowed values:	-999999					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Ford (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Ford (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Ford (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Ford (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Ford (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Ford (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Ford (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Ford (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Ford (Line 00) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup 00)

Feature Ford (Point 00)New ☐ Ford**A shallow place in a body of water used as a crossing.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values:						-999999
Bottom Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing the bottom of a body of water.

	<i>allowed values:</i>	Bedrock Other Sand		Clay and Silt Paved Sand and Gravel		Gravel and Cobble Peat Silty Sands	No Information Rocks and Boulders
	Facility Operational Status	1	No Information	Enumeration	Unitless	The status of operation of a facility, as a whole.	
	<i>allowed values:</i>	No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational	Operational
New	Feature Code	1	BH070	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i>	BH070					
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i>	No Information					
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i>	-999999					
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i>	No Information					
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i>	No Information					
New	Physical Condition	1	No Information	Enumeration	Unitless	The physical state of a structure, or site, as a whole.	
	<i>allowed values:</i>	Damaged No Information Unmaintained		Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
	Predominant Average Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second	The average water velocity, exclusive of high water due to runoff or low water due to drought.	
	<i>allowed values:</i>	[-999999, -999999]					
	Predominant Maximum Water Depth	1	[-999999, -999999]	Real_Interval	Metre	The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.	
	<i>allowed values:</i>	[-999999, -999999]					
	Predominant Maximum Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second	The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.	
	<i>allowed values:</i>	[-999999, -999999]					
	Predominant Minimum Water Depth	1	[-999999, -999999]	Real_Interval	Metre	The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.	
	<i>allowed values:</i>	[-999999, -999999]					
	Predominant Minimum Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second	The average minimum (seasonal low water) water velocity, exclusive of high water due to runoff or low water due to drought.	
	<i>allowed values:</i>	[-999999, -999999]					
	Predominant Water Depth	1	[-999999, -999999]	Real_Interval	Metre	The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.	
	<i>allowed values:</i>	[-999999, -999999]					
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<i>allowed values:</i>	U					

Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:	Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information			Other			Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)							
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values: No Information								
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values: No Information								
Route Pavement Information : Route Surface Composition		1	No Information	Enumeration	Unitless	0	The composition(s) of a durable surface (for example: a pavement) intended to sustain ground traffic (for example: vehicular traffic or foot traffic). [Description] Depending on the traffic situation (for example: on a floor, in a courtyard, or on a road) different compositions may be used, however in general such surfaces are composed of pieces of a hard material fitted closely together (for example: cobble-stone or brick) or of an undivided hard layer (for example: concrete) so as to give a compact, uniform, and smooth surface.	
allowed values:	Aggregate			Asphalt			Asphalt over Concrete	Bound Surface
	Brick			Cobble-stone			Concrete	Corduroy
	Flexible Pavement			Ice			Macadam	Metal
	No Information			Other			Rigid Pavement	Snow
	Stabilized Earth			Unimproved			Wood	Wood Plank
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values: No Information								
Transportation System Type		3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.	
allowed values:	Caravan Route			Drove			No Information	Other
	Pack-road			Pedestrian			Pipeline Maintenance	Portage
	Power Line Maintenance			Road				
Unique Entity Identifier		1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values: No Information								
Waterbody Depth		1	-999999	REAL	Metre	0	The distance, measured vertically upward, from the bottom of an inland waterbody to a reference level datum.	
allowed values: -999999								

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Ford (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Ford (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Ford (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Ford (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Ford (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Ford (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Ford (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Ford (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Ford (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)

Feature Foreshore (Area 00)

New ☐ Foreshore

The part of the shore or beach which lies between the low water mark and the upper limit of normal wave action.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Feature Code	1	BA023	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: BA023						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values: No Information						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Maritime Bottom Characteristic (second material quality)	1	No Information	Enumeration	Unitless	0	The physical characteristic(s) (for example: particle size, morphology or consistency) of the primary type of material composing a feature. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
allowed values:						
Bare			Broken			Calcareous
Decayed			Fine			Flinty
Gritty			Ground			Hard
Large			Medium			Mobile Bottom
Other			Rocky			Rotten
Soft			Speckled			Sticky
Streaky			Tenacious			Varied
allowed values:						
Bare			Broken			Calcareous
Decayed			Fine			Flinty
Gritty			Ground			Hard
Large			Medium			Mobile Bottom
Other			Rocky			Rotten
Soft			Speckled			Sticky
Streaky			Tenacious			Varied

Restriction Information : Security Attributes Group (resource classification)		1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U							
Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information							
Maritime Bottom Characteristic (Second Sediment Colour)		1	No Information	Enumeration	Unitless	0	The general colour of a waterbody sediment based on the Geological Society of America (GSA) rock colour chart and the Munsell colour system. [Description] The Munsell system is based on a colour solid, or approximately a colour sphere, which has a neutral gray central axis grading from white at the top to black at the bottom. This property of lightness is called value. Around the circumference or equator of the solid are the ten major hues, each of which is divided into ten numbered divisions, so that 5 marks the middle of the hue, and 10 marks the boundary between one hue and the next. Thus, any particular hue can be designated by a number and a letter such as 5R or 10YR. Any single vertical section through the neutral gray axis and a particular hue constitutes a colour chart on which the colors grade in value from light at the top to dark at the bottom, and in chroma (degree of saturation) from gray at one edge to the most vivid colors out at the margin. Both value and chroma are numbered so any particular colour can be given a numerical designation representing hue, value, and chroma such as 5R 6/4 and 10YR 8/2. Colour names are based on the Inter-Society Color Council-National Bureau of Standards system of names.
<i>allowed values:</i>	Black Dark Yellowish Green Dusky Yellow Grayish Red Light Blue Green Light Red Moderate Greenish Yellow Moderate Red Moderate Yellowish Green Pale Green Pale Purple Pale Yellowish Green Very Dusky Red Purple		Brilliant Green Dusky Blue Green Dusky Yellowish Green Grayish Yellow Light Green Light Yellowish Green Moderate Olive Brown Moderate Reddish Brown No Information Pale Greenish Yellow Pale Red Very Dark Red Very Pale Green		Dark Greenish Yellow Dusky Green Grayish Green Grayish Yellowish Green Light Olive Moderate Grayish Green Moderate Orange Pink Moderate Reddish Orange Other Pale Olive Pale Red Purple Very Dusky Purple White		Dark Reddish Brown Dusky Red Grayish Orange Pink Greenish Olive Light Olive Brown Moderate Green Moderate Pink Moderate Yellow Pale Grayish Green Pale Pink Pale Reddish Brown Very Dusky Red

<i>allowed values:</i>	Black Dark Yellowish Green Dusky Yellow Grayish Red Light Blue Green Light Red Moderate Greenish Yellow Moderate Red Moderate Yellowish Green Pale Green Pale Purple Pale Yellowish Green Very Dusky Red Purple	Brilliant Green Dusky Blue Green Dusky Yellowish Green Grayish Yellow Light Green Light Yellowish Green Moderate Olive Brown Moderate Reddish Brown <i>No Information</i> Pale Greenish Yellow Pale Red Very Dark Red Very Pale Green	Dark Greenish Yellow Dusky Green Grayish Green Grayish Yellowish Green Light Olive Moderate Grayish Green Moderate Orange Pink Moderate Reddish Orange <i>Other</i> Pale Olive Pale Red Purple Very Dusky Purple White	Dark Reddish Brown Dusky Red Grayish Orange Pink Greenish Olive Light Olive Brown Moderate Green Moderate Pink Moderate Yellow Pale Grayish Green Pale Pink Pale Reddish Brown Very Dusky Red		
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i>	<i>No Information</i>					
Maritime Bottom Characteristic (First Material Type)	1	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i>	Ash Chalk Cobbles Diatomaceous Earth Gravel Madrepore Mud <i>Other</i> Pumice Sand Shell Spicules Volcanic Ash	Bedrock Cinders Conglomerate Foraminifera Ground Shell Manganese Mussels Oysters Quartz Schist Shingle Sponge	Boulders Cirripedia Coral Frozen Water Lava Marl <i>No Information</i> Pebbles Radiolaria Scoria Silt Stone	Calcareous Clay Coral Head Fucus Loess Matte Ooze Plant Material Rock Sea Moss Soil Tufa		
<i>allowed values:</i>	Ash Chalk Cobbles Diatomaceous Earth Gravel Madrepore Mud <i>Other</i> Pumice Sand Shell Spicules Volcanic Ash	Bedrock Cinders Conglomerate Foraminifera Ground Shell Manganese Mussels Oysters Quartz Schist Shingle Sponge	Boulders Cirripedia Coral Frozen Water Lava Marl <i>No Information</i> Pebbles Radiolaria Scoria Silt Stone	Calcareous Clay Coral Head Fucus Loess Matte Ooze Plant Material Rock Sea Moss Soil Tufa		
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

Relationships: Foreshore (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Foreshore (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Foreshore (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Foreshore (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Foreshore (Area 00) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup 00)
 Foreshore (Area 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Foreshore (Area 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
 Foreshore (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 Foreshore (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature Forest (Area 00)New ☐ Forest

A tract of land primarily covered by trees and undergrowth. [Description] The area is sometimes mixed with pasture.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Canopy Cover	1	-999999	REAL	Percent	0	The fraction of canopy cover within a defined area during the season of maximum foliage. [Description] The canopy is formed by the upper branches of the trees in a forest forming a more or less continuous layer.
<i>allowed values:</i> -999999						
Delineation Known	1	No Information	Boolean	Unitless	0	An indication that the delineation (for example: limits and information) of a feature is known.
<i>allowed values:</i> FALSE			No Information			TRUE
New Feature Code	1	EC015	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> EC015						
Foliage Type	1	No Information	Enumeration	Unitless	0	The predominant foliage type of the vegetation.
<i>allowed values:</i> Deciduous Other			Evergreen			Mixed No Information
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Isolated	1	No Information	Boolean	Unitless	0	An indication that a feature (for example: a structure) is in the open by itself, isolated from other features of a similar type, and thus is visually distinct from surrounding features when viewed from a distance.
<i>allowed values:</i> FALSE			No Information			TRUE
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values: False			No Information		True	
Predominant Vegetation Height	1	-999999	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the vegetation.
allowed values: -999999						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Shelter Belt	1	No Information	Boolean	Unitless	0	An indication that a feature (for example: a linear stand of trees) functions as a shelter belt, protecting other features (for example: roads, railways, cropland, and/or structures) from the effects of adverse weather.
allowed values: False			No Information		True	
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						

Stem Diameter	1	[-999999, -999999]	REAL_Interval	Metre	0	The average diameter of the tree trunks in an area, measured at a height of approximately 1.5 metres or 4.5 feet on the high side (if on a hillside) above the surface of the ground. [Description] Commonly referred to as the 'diameter at breast height' (dbh). For trees up to 2 metres high, the stem diameter is measured at the mid-point between the ground and the stem tip.
<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval						
		Closed Interval Greater-than-or-equal to Less-than Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval		Greater-than Semi-interval Less-than Semi-interval
Tree Spacing	1	[-999999, -999999]	REAL_Interval	Metre	0	The average tree spacing between trees in a stand, determined from centre to centre of adjacent trees.
<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval						
		Closed Interval Greater-than-or-equal to Less-than Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval		Greater-than Semi-interval Less-than Semi-interval
Undergrowth Density	1	[-999999, -999999]	REAL_Interval	Percent	0	The fraction of land within a defined area that is covered by undergrowth (for example: scrub, brush, and/or bush).
<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval						
		Closed Interval Greater-than-or-equal to Less-than Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval		Greater-than Semi-interval Less-than Semi-interval
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vegetation Species	3	No Information	Enumeration	Unitless	0	The predominant species of a tract of vegetation.
<i>allowed values:</i> Casuarina Filao						
		Conifer No Information		Cypress Other		Eucalyptus Palm
Vegetation Trafficability Impact	1	[-999999, -999999]	Real_Interval	Percent		The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
<i>allowed values:</i> [-999999, -999999]						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Forest (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Forest (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Forest (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Forest (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Forest (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Forest (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Forest (Area 00) - is a member of configuration level - Exactly one - TDSLlocal (Feature 00)
 Forest (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Forest (Area 00) - is a member of group - Exactly one - VegetationSrf (FeatureGroup 00)

Feature Forest (Line 00)New ☐ Forest**A tract of land primarily covered by trees and undergrowth. [Description] The area is sometimes mixed with pasture.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						

Canopy Cover	1	-999999	REAL	Percent	0	The fraction of canopy cover within a defined area during the season of maximum foliage. [Description] The canopy is formed by the upper branches of the trees in a forest forming a more or less continuous layer.
<u>allowed values:</u>	-999999					
Delineation Known	1	No Information	Boolean	Unitless	0	An indication that the delineation (for example: limits and information) of a feature is known.
<u>allowed values:</u>	FALSE		No Information		TRUE	
New Feature Code	1	EC015	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u>	EC015					
Foliage Type	1	No Information	Enumeration	Unitless	0	The predominant foliage type of the vegetation.
<u>allowed values:</u>	Deciduous Other		Evergreen		Mixed No Information	
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u>	No Information					
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u>	-999999					
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u>	-999999					
Isolated	1	No Information	Boolean	Unitless	0	An indication that a feature (for example: a structure) is in the open by itself, isolated from other features of a similar type, and thus is visually distinct from surrounding features when viewed from a distance.
<u>allowed values:</u>	FALSE		No Information		TRUE	
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u>	-999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u>	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u>	False		No Information		True	
Predominant Vegetation Height	1	-999999	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the vegetation.
<u>allowed values:</u>	-999999					
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u>	U					

Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) <i>No Information</i> Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) <i>Other</i> U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	<i>No Information</i>						
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	<i>No Information</i>						
Shelter Belt		1	No Information	Boolean	Unitless	0	An indication that a feature (for example: a linear stand of trees) functions as a shelter belt, protecting other features (for example: roads, railways, cropland, and/or structures) from the effects of adverse weather.
allowed values:	<i>False</i>			<i>No Information</i>		<i>True</i>	
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	<i>No Information</i>						
Stem Diameter		1	[-999999, -999999]	REAL_Interval	Metre	0	The average diameter of the tree trunks in an area, measured at a height of approximately 1.5 metres or 4.5 feet on the high side (if on a hillside) above the surface of the ground. [Description] Commonly referred to as the 'diameter at breast height' (dbh). For trees up to 2 metres high, the stem diameter is measured at the mid-point between the ground and the stem tip.
allowed values:	[-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval	
Tree Spacing		1	[-999999, -999999]	REAL_Interval	Metre	0	The average tree spacing between trees in a stand, determined from centre to centre of adjacent trees.
allowed values:	[-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval	
Undergrowth Density		1	[-999999, -999999]	REAL_Interval	Percent	0	The fraction of land within a defined area that is covered by undergrowth (for example: scrub, brush, and/or bush).
allowed values:	[-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval	

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Vegetation Species	3	No Information	Enumeration	Unitless	0	The predominant species of a tract of vegetation.
<u>allowed values:</u>	Casuarina Filao	Conifer No Information	Cypress Other	Eucalyptus Palm		

Vegetation Trafficability Impact	1	[-999999, -999999]	Real_Interval	Percent		The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
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allowed values: [-999999, -999999]

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Forest (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Forest (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Forest (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Forest (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Forest (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Forest (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Forest (Line 00) - is a member of group - Exactly one - VegetationCrv (FeatureGroup 00)
 Forest (Line 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature ForestClearing (Area 00)

New ☐ Forest Clearing

A site in a forest or wood(s) that has been cleared, often for slash and burn agriculture and/or as a result of clear-cutting logging. [Description] May also occur from natural causes such as a forest fire.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999

New Feature Code	1	EC060	CONSTRAINED_STRING	Unitless	5	Feature Code
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allowed values: EC060

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

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999

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

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

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
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allowed values: U

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
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allowed values:

Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
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allowed values: No Information

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
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allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: ForestClearing (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 ForestClearing (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 ForestClearing (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 ForestClearing (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 ForestClearing (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 ForestClearing (Area 00) - is a member of group - Exactly one - VegetationSrf (FeatureGroup 00)
 ForestClearing (Area 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 ForestClearing (Area 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
 ForestClearing (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature FortifiedBuilding (Area 00)New ☐ Fortified Building**A building that is specifically designed or reinforced to provide for defense from armed attack.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<u>allowed values:</u> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<u>allowed values:</u> False			No Information			True
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Attached Building	1	No Information	Boolean	Unitless	0	An indication that a building is physically contiguous (for example: shares a common wall) with one or more adjacent buildings.
<u>allowed values:</u> FALSE			No Information			TRUE
Manufacturing Information : By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.
<u>allowed values:</u> Ash Other Sewage			Cinders Radioactive Material Slag			No Byproduct Refuse No Information Scrap-metal
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AH055	CONSTRAINED_ STRING	Unitless	5	Feature Code
<u>allowed values:</u> AH055						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.

allowed values:

Accommodation
Agriculture
Amusement
Armory
Bar
Canal Transport
Central Banking
Club
Convenience Store
Cremation
Day Care
Diplomacy
Electrical Equipment Repair
Emergency Relief Services
Financial Services
Food Product Manufacture
Gambling
Grocery
Harbour Control
Hobbies and/or Leisure Activities
Human Health Activities
Imprisonment
Institution
Judicial Activities
Legal Activities
Main Telephone Exchange
Market
Military Reserve Activities
Motel
Munitions Manufacture
No Information
Opera House
Paper-mill
Pet-shop
Pipeline Transport
Postal Activities
Print Publishing
Public Health Activities
Railway Passenger Transport
Real Estate Activities
Rescue and Paramedical Services
Restroom
Road Freight Transport
Satellite Ground Control
Secondary Education
Shooting Range
Sports Centre
Subnational Government
Theatre
Urgent Medical Care
Vocational Education
Water Treatment
Wired Telecommunications
Yacht-club

Accounting
Air Traffic Control
Animal Boarding
Auditorium
Beauty Treatment
Capitol
Cinema
Commerce
Convention Centre
Custodial Service
Defence Activities
Diplomatic Mission
Electronic Equipment Repair
Emergency Shelter
Firefighting
Forest Warden
General Repair
Growing of Crops
Headquarters
Homeless Shelter
Human Tissue Repository
Inland Waters Transport
Insurance
Juvenile Corrections
Leprosy Care
Manufacturing
Materials Recovery
Mining and Quarrying
Motor Vehicle Parking
Museum
Non-specialized Store
Other
Pedestrian Transport
Pharmacy
Place of Worship
Power Generation
Printing
Public Records
Railway Transport
Recreation
Residence
Retail Banking
Road Passenger Transport
Satellite Telecommunications
Security Enforcement
Signalling
Station
Telecommunications
Transport
Utilities
Warehousing and Storage
Weather Station
Wireless Repeater

Administration
Air Transport
Aquaculture
Baking
Branch Telephone Exchange
Cargo Handling
Civil Activities
Community Centre
Cooling
Customs Checkpoint
Dependents Housing
Dormitory
Embassy
Emergency Youth Shelter
Fitness Centre
Foundry
Government
Guard
Heating
Hostel
Ice Manufacture
In-patient Care
Intermediate Care
Laundry
Library
Maritime Defense
Meeting Place
Mobile Phone Service
Motor Vehicle Rental
Navigation
Observation Station
Out-patient Care
Petrol Sale
Photography
Polling Station
Precious Metal Merchant
Propane Sale
Pumping
Railway Vehicle Repair
Refugee Shelter
Residential Care
Retail Service
Road Transport
Sawmilling
Sewerage
Social Work
Steel Mill
Television Broadcasting
Transport System Maintenance
Vacation Cottage
Waste Treatment and Disposal
Wholesale Merchant
Wireless Telecommunications

Advertising
Aircraft Repair
Aquarium
Banquet Hall
Brewing
CBRNE Civilian Support
Civil Intelligence
Consul
Courier Activities
Dairying
Dining Hall
Education
Emergency Operations
Employment Agency
Food Processing
Funeral Services
Grain Milling
Guest-house
Higher Education
Hotel
Immigration Control
Inspection Station
Islamic Prayer Hall
Law Enforcement
Local Government
Maritime Pilotage
Military Recruitment
Mortuary Services
Motor Vehicle Repair
Night Club
Oil-mill
Palace
Petroleum Refining
Pilot Station
Port Control
Primary Education
Psychiatric In-patient Care
Radio Broadcasting
Raising of Animals
Religious Activities
Restaurant
Retail Telecommunications
Sales Yard
Scientific Research and Development
Sewerage Screening
Specialized Store
Stop
Terminal
Travel Agency
Veterinary
Water Transport
Wired Repeater
Wooden Construction Product Manufacture

New Fence Exists 1 No Information Boolean Unitless 0 Existence of Fence

allowed values: FALSE

No Information

TRUE

	Floor Count	1	-999999	REAL	Unitless	0	The number of floors in a structure (for example: a building).
	<u>allowed values:</u>	-999999					
	Fortified Building Type	1	No Information	Enumeration	Unitless	0	The type of a building that is fortified or reinforced to provide for defense from armed attack.
	<u>allowed values:</u>	Blockhouse No Information		Casement Non-specific Fortified		Keep Other	Martello Tower Pillbox
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u>	No Information					
New	Gate Exists	1	No Information	Boolean	Unitless	0	Existence of Gate
	<u>allowed values:</u>	FALSE		No Information		TRUE	
New	Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The type of designated hazard protection shelter based on the kind of emergency. [Description] These shelters may be inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
	<u>allowed values:</u>	Bomb Shelter Storm Shelter		Fallout Shelter		No Information	Other
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u>	-999999					
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u>	-999999					
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u>	-999999					
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u>	No Information					
	Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).
	<u>allowed values:</u>	Air Force Marines		Army Navy		Coastguard No Information	Joint Other
New	Multi-unit Building	1	No Information	Boolean	Unitless	0	An indication that a building is divided into two or more distinct sets of rooms or other interior spaces that are internally fully-connected while being separated from each other and common areas by controlled access point(s) (for example: lockable doors) that enable physical privacy and security for its occupants.
	<u>allowed values:</u>	FALSE		No Information		TRUE	
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u>	No Information					
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u>	False		No Information		True	
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.

<i>allowed values:</i>	<i>Damaged</i> No Information <i>Unmaintained</i>		<i>Destroyed</i> <i>Ruined</i>		<i>Dismantled</i> <i>Site Preparation</i>	<i>Intact</i> <i>Under Construction</i>
Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i>	Aircraft Biochemical Chemical Coke Cotton Electronic Equipment Fluorine Gas Ice Liquefied Natural Gas (LNG) Metal Munitions Nuclear Fuel Petrochemical Petroleum Lubricant Radioactive Material Sewage Sugar Vegetation Product Zinc		Aluminum Biodiesel Clothing Concrete Desalinated Water Explosive Food Glass Iron Liquefied Petroleum Gas (LPG) Milk <i>No Information</i> Olive Oil Petrol Phosphorus Rice Silver Textile Water		Ammunition Brick Coal Consumer Goods Electric Power Fertilizer Frozen Water Gold Lead Lumber Milled Grain No Product <i>Other</i> Petroleum Plastic Rubber Snow Tobacco Whale Products	Asphalt Cement Coffee Copper Electrical Equipment Fish Fruit Heating Steam and/or Water Lime Manganese Motor Vehicle Non-solid Hydrocarbon Fuel Paper Petroleum and/or Natural Gas Prestressed Concrete Salt Steel Uranium Wine
Manufacturing Information : Raw Material	3	No Information	Enumeration	Unitless	0	The principal 'raw', or input, material(s) involved in a production activity. [Description] If multiple 'raw' materials are specified then they are usually listed in descending order of importance.
<i>allowed values:</i>	Aluminum Chemical Copper Gold Lumber No Raw Material Paper Radioactive Material Snow Tobacco Wood		Asphalt Clay Cotton Ice Manganese Oil Petroleum and/or Natural Gas Rubber Steel Uranium Zinc		Bauxite Coal Gas Iron Metal Ore Plant Material Sewage Sugar Vegetation	Cement Coke Glass Lead <i>No Information</i> <i>Other</i> Plastic Silver Textile Water
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
<i>allowed values:</i>	Depressed Raised		Level		<i>No Information</i>	<i>Not Applicable</i>
New Residence Configuration Type	1	No Information	Enumeration	Unitless	0	Configuration of a residence in regards to its structure or form.
<i>allowed values:</i>	<i>Apartment House</i> No Information		<i>Attached House</i> <i>Other</i>		<i>Detached House</i>	<i>Manufactured House</i>
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i>	<i>U</i>					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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FortifiedBuilding (Area 00)

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
allowed values:	Conical Flat with Parapet Pitched with Clerestory With Clerestory With Steeple		Domed No Information Pyramidal With Cupola With Tower		Flat Other Sawtoothed With Minaret With Turret	Flat with Clerestory Pitched Semi-cylindrical With Smokestack
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
allowed values:	Adobe Brick Fibreglass Metal Plant Material Steel		Aluminum Glass Mud-based Construction Prestressed Concrete Stone		Brick Iron No Information Reinforced Concrete Treated Timber	Concrete Masonry Other Sod Wood
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values:	No Information					

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
New Window Type	1	No Information	Enumeration	Unitless		Type of Window
<u>allowed values:</u> -999999 No Information Plastic with Bars Open with Bars Plastic without Bars Open without Bars Other						
New Windows Per Story	1	-999999	Integer	Unitless		Number of windows per story
<u>allowed values:</u> -999999						
Wireless Telecommunication Information : Wireless Telecommunication Type	1	No Information	Enumeration	Unitless	0	The type of a wireless telecommunication service based on the mechanism(s) of transmission and/or the nature of the communication(s) supported. [Description] For example, radio broadcast or mobile phone service.
<u>allowed values:</u> Cellular Phone Other Television (TV) Microwave Radio Relay Radio Broadcast Mobile Phone Radio Telephone No Information Radio-telegraph						

Relationships: FortifiedBuilding (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 FortifiedBuilding (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 FortifiedBuilding (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 FortifiedBuilding (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 FortifiedBuilding (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 FortifiedBuilding (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 FortifiedBuilding (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 FortifiedBuilding (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 FortifiedBuilding (Area 00) - is a member of group - Exactly one - MilitarySrf (FeatureGroup 00)

Feature FortifiedBuilding (Point 00)**New** ☐ **Fortified Building****A building that is specifically designed or reinforced to provide for defense from armed attack.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<u>allowed values:</u> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<u>allowed values:</u> False No Information True						
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Attached Building	1	No Information	Boolean	Unitless	0	An indication that a building is physically contiguous (for example: shares a common wall) with one or more adjacent buildings.
<u>allowed values:</u> FALSE No Information TRUE						
Manufacturing Information : By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.
<u>allowed values:</u> Ash Other Sewage Cinders Radioactive Material Slag No Byproduct Refuse No Information Scrap-metal						

Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i>	Civilian National Public		International No Information State			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i>	No Information Partially Operational		Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AH055	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i>	AH055					
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.

allowed values:

Accommodation
Agriculture
Amusement
Armory
Bar
Canal Transport
Central Banking
Club
Convenience Store
Cremation
Day Care
Diplomacy
Electrical Equipment Repair
Emergency Relief Services
Financial Services
Food Product Manufacture
Gambling
Grocery
Harbour Control
Hobbies and/or Leisure Activities
Human Health Activities
Imprisonment
Institution
Judicial Activities
Legal Activities
Main Telephone Exchange
Market
Military Reserve Activities
Motel
Munitions Manufacture
No Information
Opera House
Paper-mill
Pet-shop
Pipeline Transport
Postal Activities
Print Publishing
Public Health Activities
Railway Passenger Transport
Real Estate Activities
Rescue and Paramedical Services
Restroom
Road Freight Transport
Satellite Ground Control
Secondary Education
Shooting Range
Sports Centre
Subnational Government
Theatre
Urgent Medical Care
Vocational Education
Water Treatment
Wired Telecommunications
Yacht-club

Accounting
Air Traffic Control
Animal Boarding
Auditorium
Beauty Treatment
Capitol
Cinema
Commerce
Convention Centre
Custodial Service
Defence Activities
Diplomatic Mission
Electronic Equipment Repair
Emergency Shelter
Firefighting
Forest Warden
General Repair
Growing of Crops
Headquarters
Homeless Shelter
Human Tissue Repository
Inland Waters Transport
Insurance
Juvenile Corrections
Leprosy Care
Manufacturing
Materials Recovery
Mining and Quarrying
Motor Vehicle Parking
Museum
Non-specialized Store
Other
Pedestrian Transport
Pharmacy
Place of Worship
Power Generation
Printing
Public Records
Railway Transport
Recreation
Residence
Retail Banking
Road Passenger Transport
Satellite Telecommunications
Security Enforcement
Signalling
Station
Telecommunications
Transport
Utilities
Warehousing and Storage
Weather Station
Wireless Repeater

Administration
Air Transport
Aquaculture
Baking
Branch Telephone Exchange
Cargo Handling
Civil Activities
Community Centre
Cooling
Customs Checkpoint
Dependents Housing
Dormitory
Embassy
Emergency Youth Shelter
Fitness Centre
Foundry
Government
Guard
Heating
Hostel
Ice Manufacture
In-patient Care
Intermediate Care
Laundry
Library
Maritime Defense
Meeting Place
Mobile Phone Service
Motor Vehicle Rental
Navigation
Observation Station
Out-patient Care
Petrol Sale
Photography
Polling Station
Precious Metal Merchant
Propane Sale
Pumping
Railway Vehicle Repair
Refugee Shelter
Residential Care
Retail Service
Road Transport
Sawmilling
Sewerage
Social Work
Steel Mill
Television Broadcasting
Transport System Maintenance
Vacation Cottage
Waste Treatment and Disposal
Wholesale Merchant
Wireless Telecommunications

Advertising
Aircraft Repair
Aquarium
Banquet Hall
Brewing
CBRNE Civilian Support
Civil Intelligence
Consul
Courier Activities
Dairying
Dining Hall
Education
Emergency Operations
Employment Agency
Food Processing
Funeral Services
Grain Milling
Guest-house
Higher Education
Hotel
Immigration Control
Inspection Station
Islamic Prayer Hall
Law Enforcement
Local Government
Maritime Pilotage
Military Recruitment
Mortuary Services
Motor Vehicle Repair
Night Club
Oil-mill
Palace
Petroleum Refining
Pilot Station
Port Control
Primary Education
Psychiatric In-patient Care
Radio Broadcasting
Raising of Animals
Religious Activities
Restaurant
Retail Telecommunications
Sales Yard
Scientific Research and Development
Sewerage Screening
Specialized Store
Stop
Terminal
Travel Agency
Veterinary
Water Transport
Wired Repeater
Wooden Construction Product Manufacture

New Fence Exists 1 No Information Boolean Unitless 0 Existence of Fence

allowed values: FALSE

No Information

TRUE

	Floor Count	1	-999999	REAL	Unitless	0	The number of floors in a structure (for example: a building).
	<u>allowed values:</u>	-999999					
	Fortified Building Type	1	No Information	Enumeration	Unitless	0	The type of a building that is fortified or reinforced to provide for defense from armed attack.
	<u>allowed values:</u>	Blockhouse No Information		Casement Non-specific Fortified		Keep Other	Martello Tower Pillbox
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u>	No Information					
New	Gate Exists	1	No Information	Boolean	Unitless	0	Existence of Gate
	<u>allowed values:</u>	FALSE		No Information		TRUE	
New	Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The type of designated hazard protection shelter based on the kind of emergency. [Description] These shelters may be inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
	<u>allowed values:</u>	Bomb Shelter Storm Shelter		Fallout Shelter		No Information	Other
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u>	-999999					
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u>	-999999					
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u>	-999999					
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u>	No Information					
	Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).
	<u>allowed values:</u>	Air Force Marines		Army Navy		Coastguard No Information	Joint Other
New	Multi-unit Building	1	No Information	Boolean	Unitless	0	An indication that a building is divided into two or more distinct sets of rooms or other interior spaces that are internally fully-connected while being separated from each other and common areas by controlled access point(s) (for example: lockable doors) that enable physical privacy and security for its occupants.
	<u>allowed values:</u>	FALSE		No Information		TRUE	
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u>	No Information					
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u>	False		No Information		True	
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.

<i>allowed values:</i>	<i>Damaged</i> No Information <i>Unmaintained</i>		<i>Destroyed</i> <i>Ruined</i>		<i>Dismantled</i> <i>Site Preparation</i>	<i>Intact</i> <i>Under Construction</i>
Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i>	Aircraft Biochemical Chemical Coke Cotton Electronic Equipment Fluorine Gas Ice Liquefied Natural Gas (LNG) Metal Munitions Nuclear Fuel Petrochemical Petroleum Lubricant Radioactive Material Sewage Sugar Vegetation Product Zinc		Aluminum Biodiesel Clothing Concrete Desalinated Water Explosive Food Glass Iron Liquefied Petroleum Gas (LPG) Milk <i>No Information</i> Olive Oil Petrol Phosphorus Rice Silver Textile Water		Ammunition Brick Coal Consumer Goods Electric Power Fertilizer Frozen Water Gold Lead Lumber Milled Grain No Product <i>Other</i> Petroleum Plastic Rubber Snow Tobacco Whale Products	Asphalt Cement Coffee Copper Electrical Equipment Fish Fruit Heating Steam and/or Water Lime Manganese Motor Vehicle Non-solid Hydrocarbon Fuel Paper Petroleum and/or Natural Gas Prestressed Concrete Salt Steel Uranium Wine
Manufacturing Information : Raw Material	3	No Information	Enumeration	Unitless	0	The principal 'raw', or input, material(s) involved in a production activity. [Description] If multiple 'raw' materials are specified then they are usually listed in descending order of importance.
<i>allowed values:</i>	Aluminum Chemical Copper Gold Lumber No Raw Material Paper Radioactive Material Snow Tobacco Wood		Asphalt Clay Cotton Ice Manganese Oil Petroleum and/or Natural Gas Rubber Steel Uranium Zinc		Bauxite Coal Gas Iron Metal Ore Plant Material Sewage Sugar Vegetation	Cement Coke Glass Lead <i>No Information</i> <i>Other</i> Plastic Silver Textile Water
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
<i>allowed values:</i>	Depressed Raised		Level		<i>No Information</i>	<i>Not Applicable</i>
New Residence Configuration Type	1	No Information	Enumeration	Unitless	0	Configuration of a residence in regards to its structure or form.
<i>allowed values:</i>	<i>Apartment House</i> No Information		<i>Attached House</i> <i>Other</i>		<i>Detached House</i>	<i>Manufactured House</i>
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i>	<i>U</i>					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
allowed values:	Conical Flat with Parapet Pitched with Clerestory With Clerestory With Steeple		Domed No Information Pyramidal With Cupola With Tower		Flat Other Sawtoothed With Minaret With Turret	Flat with Clerestory Pitched Semi-cylindrical With Smokestack
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
allowed values:	Adobe Brick Fibreglass Metal Plant Material Steel		Aluminum Glass Mud-based Construction Prestressed Concrete Stone		Brick Iron No Information Reinforced Concrete Treated Timber	Concrete Masonry Other Sod Wood
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values:	No Information					

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values: -999999						
New Window Type	1	No Information	Enumeration	Unitless		Type of Window
allowed values: No Information Plastic with Bars						Open with Bars Plastic without Bars Open without Bars Other
New Windows Per Story	1	-999999	Integer	Unitless		Number of windows per story
allowed values: -999999						
Wireless Telecommunication Information : Wireless Telecommunication Type	1	No Information	Enumeration	Unitless	0	The type of a wireless telecommunication service based on the mechanism(s) of transmission and/or the nature of the communication(s) supported. [Description] For example, radio broadcast or mobile phone service.
allowed values: Cellular Phone Other Television (TV)						Microwave Radio Relay Radio Broadcast Mobile Phone Radio Telephone No Information Radio-telegraph

Relationships: FortifiedBuilding (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
FortifiedBuilding (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
FortifiedBuilding (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
FortifiedBuilding (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
FortifiedBuilding (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
FortifiedBuilding (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
FortifiedBuilding (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
FortifiedBuilding (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
FortifiedBuilding (Point 00) - is a member of group - Exactly one - MilitaryPnt (FeatureGroup 00)

Feature FoulGround (Area 00)

New ☐ Foul Ground

A region over which it is safe to navigate but which should be avoided for anchoring, intentional grounding, or ground fishing.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aggregation	1	No Information	Boolean	Unitless	0	An indication that a feature instance is, or may be, representing a set of interrelated feature instances as an aggregate. [Description] May be used when delineating interrelated features within a region that may or may not meet inclusion conditions to be delineated individually. For example, an aerodrome consists of numerous component feature instances such as runways, taxiways, NAVAIDs, and aircraft hangars, but may be collected as a single aggregate feature instance at a small scale.
allowed values: False						No Information True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Hydrographic Vertical Positioning Information : Sounding Metadata : Bathymetric Measurement Quality Category	3	No Information	Enumeration	Unitless	0	A general evaluation of the qualities of a bathymetric measurement, as a category. [Description] Drying heights are typically captured using negative (bathymetric) sounding values; their certainty of measurement may be categorized in the same manner as positive values.
allowed values: Depth Doubtful Least Depth Not Applicable Unconfirmed Depth						Depth Known Maintained Depth Other Unmaintained Depth Depth Unknown No Bottom Reported Depth Depth Unreliable No Information Safe Clearance Known
Hydrographic Vertical Positioning Information : Bathymetric Measurement Technique	3	No Information	Enumeration	Unitless	0	The technique used to determine water depth(s).

<i>allowed values:</i>	Area Swept by Side-scan Sonar		Area Swept by Vertical Acoustic System		Area Swept by Wire-drag	Bathymetric LiDAR
	Computer Generated		Depth Known by Other Than Wire Drag		Diver	Echo Sounder
	Electromagnetic Sensor		Lead-line		Levelling	Multi-beam Echo Sounder
	No Information		Other		Photogrammetry	Satellite Imagery
	Side-scan Sonar		Singlebeam		Underwater Utility Vehicle	
Component Feature Count	1	-999999	Integer	Unitless	0	The number of interrelated component features (of various types) of the feature. [Description] May be used to indicate the number of component feature instances that have been collected for the feature. For example, the total number of runways, taxiways, NAVAIDs, and aircraft hangars that compose an aerodrome.
<i>allowed values:</i> -999999						
Dangerous to Navigation	1	No Information	Boolean	Unitless	0	An indication that a hazard in a waterbody is considered to be dangerous to surface navigation. [Description] For example, broken piles, a rock formation, or a reef in moderately deep waters. For large vessels a depth of less than 20 metres is generally considered to be dangerous.
<i>allowed values:</i> False			No Information	True		
Delineation Known	1	No Information	Boolean	Unitless	0	An indication that the delineation (for example: limits and information) of a feature is known.
<i>allowed values:</i> FALSE			No Information	TRUE		
Hydrographic Vertical Positioning Information : Depth Exposition	1	No Information	Enumeration	Unitless	0	Indicates specific depths governed by IHO regulations used in indicating safe navigation, as categories.
<i>allowed values:</i> Covered < 20 metres			Covered >= 20 metres but < 30 metres	Covered >= 30 metres		
Hydrographic Vertical Positioning Information : Elevation Above Waterbody Floor	1	-999999	REAL	Metre	0	The elevation of an object measured vertically from the waterbody floor to the base (lowest point) of the object.
<i>allowed values:</i> -999999						
New Feature Code	1	BD050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BD050						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Hydrographic Vertical Positioning Information : Height Above Waterbody Floor	1	-999999	REAL	Metre	0	The height of an object measured vertically from the waterbody floor to the top (highest point) of the object.
<i>allowed values:</i> -999999						
Hydrographic Vertical Positioning Information : Height of Object	1	-999999	REAL	Metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> -999999						
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999						
Hydrographic Vertical Positioning Information : Hydrographic Drying Height	1	-999999	REAL	Metre	0	The height of the feature, which tidal waters cover and uncover, referenced to a specified sounding datum.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						

Hydrographic Vertical Positioning Information : Maritime Navigation Marked	1	No Information	Boolean	Unitless	0	An indication that a feature is significant to maritime safety of navigation and is marked (for example: by a light or beacon) by a maritime-specific navigational aid. [Description] Mariners may also use other prominent features (for example: rotating aeronautical beacons or lighted structures) for informal navigational purposes.
allowed values: FALSE			No Information			TRUE
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Non-submarine Contact Reporting Agency Type	1	No Information	Enumeration	Unitless	0	General classification of the source of a reported non-submarine contact. [Description] Based on specific fields in the US and UK Wreck Lists.
allowed values: Action Report Coast Guard Records No Information Photograph Report Survey US Naval Headquarters/Commands Report			Casualty Report Hydrographic/Admiralty Office North Sea Fishing Charts Position Accurate Field Check Survivor Report Wreck List			Chart MAD Report Notice to Mariners Salvage Report Undifferentiated Sonar or MAD Report Chart Records Minesweeper Other Sonar Report US Coast & Geodetic Survey/National Ocean Service Report
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values: Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)			Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						

Hydrographic Vertical Positioning Information : Sonar-confirmed	1	No Information	Boolean	Unitless	0	An indication that a contact or other object has been confirmed by sonar.
<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
Hydrographic Vertical Positioning Information : Sounding Metadata : Sounding Datum	1	No Information	Enumeration	Unitless	0	The tidal datum to which soundings and drying heights are referenced. [Description] It is usually taken to correspond to a low water stage of the tide.
<i>allowed values:</i>			Approximate Lowest Astronomical Tide Approximate Mean Sea Level High Water Highest Astronomical Tide International Great Lakes Datum 1985 Lower Low Water Lowest Low Water Springs Mean Higher High Water Mean Low Water Springs Mean Tide Level Nearly Lowest Low Water <i>Slant</i>	Approximate Mean Low Water Chart Datum (Unspecified) High Water Springs Highest High Water Local Datum Lower Low Water Large Tide Mean High Water Mean Higher High Water Springs Mean Lower Low Water Mean Water Level No Information Spring Tide	Approximate Mean Low Water Springs <i>Drying Heights</i> Higher High Water Indian Spring High Water Low Water Lowest Astronomical Tide Mean High Water Neaps Mean Low Water Mean Lower Low Water Springs Neap Tide <i>Ordinary</i>	Approximate Mean Lower Low Water Equinoctial Spring Low Water Higher High Water Large Tide Indian Spring Low Water Low Water Springs Lowest Low Water Mean High Water Springs Mean Low Water Neaps Mean Sea Level Nearly Highest High Water <i>Other</i>
Hydrographic Vertical Positioning Information : Sounding Metadata : Sounding Datum Name	1	No Information	String	Unitless	80	The name of the tidal datum to which soundings and drying heights are referenced. [Description] Used when the sounding datum is known but not specified using Attribute: 'Sounding Datum'.
<i>allowed values:</i> No Information						
Hydrographic Vertical Positioning Information : Sounding Metadata : Sounding Velocity Correction Method	1	No Information	Enumeration	Unitless	0	The method of correction that has been used to correct a sounding velocity instrument reading to obtain the correct depth.
<i>allowed values:</i>			Mathews Tables Sound Velocity Meter	No Information Sounder 1500 Calibrated	Not Applicable Sounder 4800 Calibrated	Other Sounder Other Calibrated
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i>			Ash Chalk Cobbles Diatomaceous Earth Gravel Madrepore Mud <i>Other</i> Pumice Sand Shell Spicules Volcanic Ash	Bedrock Cinders Conglomerate Foraminifera Ground Shell Manganese Mussels Oysters Quartz Schist Shingle Sponge	Boulders Cirripedia Coral Frozen Water Lava Marl <i>No Information</i> Pebbles Radiolaria Scoria Silt Stone	Calcareous Clay Coral Head Fucus Loess Matte Ooze Plant Material Rock Sea Moss Soil Tufa
Submarine-like Object	1	No Information	Boolean	Unitless	0	An indication that an object on the sea floor (for example: a wreck) could be mistakenly identified as an operable submarine when detected (for example: using acoustic or magnetic sensors).
<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
Hydrographic Vertical Positioning Information : Uncovering Height Known	1	No Information	Boolean	Unitless	0	An indication that information is known about the height to which a marine feature may be uncovered by the tide.
<i>allowed values:</i> <i>FALSE</i>			No Information			<i>TRUE</i>

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Hydrographic Vertical Positioning Information : Sounding Metadata : Vessel Draft Correction	1	No Information	Boolean	Unitless	0	An indication that a vessel draft correction has been applied.
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allowed values: False

No Information

True

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: FoulGround (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 FoulGround (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 FoulGround (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 FoulGround (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 FoulGround (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)
 FoulGround (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 FoulGround (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature FoulGround (Point 00)

New ☐ Foul Ground

A region over which it is safe to navigate but which should be avoided for anchoring, intentional grounding, or ground fishing.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aggregation	1	No Information	Boolean	Unitless	0	An indication that a feature instance is, or may be, representing a set of interrelated feature instances as an aggregate. [Description] May be used when delineating interrelated features within a region that may or may not meet inclusion conditions to be delineated individually. For example, an aerodrome consists of numerous component feature instances such as runways, taxiways, NAVAIDs, and aircraft hangars, but may be collected as a single aggregate feature instance at a small scale.

allowed values: False

No Information

True

Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
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allowed values: -999999

Hydrographic Vertical Positioning Information : Sounding Metadata : Bathymetric Measurement Quality Category	3	No Information	Enumeration	Unitless	0	A general evaluation of the qualities of a bathymetric measurement, as a category. [Description] Drying heights are typically captured using negative (bathymetric) sounding values; their certainty of measurement may be categorized in the same manner as positive values.
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allowed values:

Depth Doubtful

Least Depth

Not Applicable

Unconfirmed Depth

Depth Known

Maintained Depth

Other

Unmaintained Depth

Depth Unknown

No Bottom

Reported Depth

Depth Unreliable

No Information

Safe Clearance Known

Hydrographic Vertical Positioning Information : Bathymetric Measurement Technique	3	No Information	Enumeration	Unitless	0	The technique used to determine water depth(s).
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<i>allowed values:</i> Area Swept by Side-scan Sonar Computer Generated Electromagnetic Sensor No Information Side-scan Sonar		Area Swept by Vertical Acoustic System <i>Depth Known by Other Than Wire Drag</i> Lead-line Other Singlebeam		Area Swept by Wire-drag Diver Levelling Photogrammetry Underwater Utility Vehicle		Bathymetric LiDAR Echo Sounder Multi-beam Echo Sounder Satellite Imagery
Component Feature Count	1	-999999	Integer	Unitless	0	The number of interrelated component features (of various types) of the feature. [Description] May be used to indicate the number of component feature instances that have been collected for the feature. For example, the total number of runways, taxiways, NAVAIDS, and aircraft hangars that compose an aerodrome.
<i>allowed values:</i> -999999						
Dangerous to Navigation	1	No Information	Boolean	Unitless	0	An indication that a hazard in a waterbody is considered to be dangerous to surface navigation. [Description] For example, broken piles, a rock formation, or a reef in moderately deep waters. For large vessels a depth of less than 20 metres is generally considered to be dangerous.
<i>allowed values:</i> False		No Information		True		
Delineation Known	1	No Information	Boolean	Unitless	0	An indication that the delineation (for example: limits and information) of a feature is known.
<i>allowed values:</i> FALSE		No Information		TRUE		
Hydrographic Vertical Positioning Information : Depth Exposition	1	No Information	Enumeration	Unitless	0	Indicates specific depths governed by IHO regulations used in indicating safe navigation, as categories.
<i>allowed values:</i> Covered < 20 metres		Covered >= 20 metres but < 30 metres		Covered >= 30 metres		No Information
Hydrographic Vertical Positioning Information : Elevation Above Waterbody Floor	1	-999999	REAL	Metre	0	The elevation of an object measured vertically from the waterbody floor to the base (lowest point) of the object.
<i>allowed values:</i> -999999						
New Feature Code	1	BD050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BD050						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Hydrographic Vertical Positioning Information : Height Above Waterbody Floor	1	-999999	REAL	Metre	0	The height of an object measured vertically from the waterbody floor to the top (highest point) of the object.
<i>allowed values:</i> -999999						
Hydrographic Vertical Positioning Information : Height of Object	1	-999999	REAL	Metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> -999999						
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	REAL	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999						
Hydrographic Vertical Positioning Information : Hydrographic Drying Height	1	-999999	REAL	Metre	0	The height of the feature, which tidal waters cover and uncover, referenced to a specified sounding datum.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						

Hydrographic Vertical Positioning Information : Maritime Navigation Marked	1	No Information	Boolean	Unitless	0	An indication that a feature is significant to maritime safety of navigation and is marked (for example: by a light or beacon) by a maritime-specific navigational aid. [Description] Mariners may also use other prominent features (for example: rotating aeronautical beacons or lighted structures) for informal navigational purposes.
allowed values: FALSE			No Information			TRUE
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Non-submarine Contact Reporting Agency Type	1	No Information	Enumeration	Unitless	0	General classification of the source of a reported non-submarine contact. [Description] Based on specific fields in the US and UK Wreck Lists.
allowed values: Action Report Coast Guard Records No Information Photograph Report Survey US Naval Headquarters/Commands Report			Casualty Report Hydrographic/Admiralty Office North Sea Fishing Charts Position Accurate Field Check Survivor Report Wreck List			Chart MAD Report Notice to Mariners Salvage Report Undifferentiated Sonar or MAD Report Chart Records Minesweeper Other Sonar Report US Coast & Geodetic Survey/National Ocean Service Report
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values: Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)			Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						

Hydrographic Vertical Positioning Information : Sonar-confirmed	1	No Information	Boolean	Unitless	0	An indication that a contact or other object has been confirmed by sonar.
<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
Hydrographic Vertical Positioning Information : Sounding Metadata : Sounding Datum	1	No Information	Enumeration	Unitless	0	The tidal datum to which soundings and drying heights are referenced. [Description] It is usually taken to correspond to a low water stage of the tide.
<i>allowed values:</i>	Approximate Lowest Astronomical Tide Approximate Mean Sea Level High Water Highest Astronomical Tide International Great Lakes Datum 1985 Lower Low Water Lowest Low Water Springs Mean Higher High Water Mean Low Water Springs Mean Tide Level Nearly Lowest Low Water <i>Slant</i>		Approximate Mean Low Water Chart Datum (Unspecified) High Water Springs Highest High Water Local Datum Lower Low Water Large Tide Mean High Water Mean Higher High Water Springs Mean Lower Low Water Mean Water Level No Information Spring Tide		Approximate Mean Low Water Springs <i>Drying Heights</i> Higher High Water Indian Spring High Water Low Water Lowest Astronomical Tide Mean High Water Neaps Mean Low Water Mean Lower Low Water Springs Neap Tide <i>Ordinary</i>	Approximate Mean Lower Low Water Equinoctial Spring Low Water Higher High Water Large Tide Indian Spring Low Water Low Water Springs Lowest Low Water Mean High Water Springs Mean Low Water Neaps Mean Sea Level Nearly Highest High Water <i>Other</i>
Hydrographic Vertical Positioning Information : Sounding Metadata : Sounding Datum Name	1	No Information	String	Unitless	80	The name of the tidal datum to which soundings and drying heights are referenced. [Description] Used when the sounding datum is known but not specified using Attribute: 'Sounding Datum'.
<i>allowed values:</i> No Information						
Hydrographic Vertical Positioning Information : Sounding Metadata : Sounding Velocity Correction Method	1	No Information	Enumeration	Unitless	0	The method of correction that has been used to correct a sounding velocity instrument reading to obtain the correct depth.
<i>allowed values:</i>	Mathews Tables Sound Velocity Meter		No Information Sounder 1500 Calibrated		Not Applicable Sounder 4800 Calibrated	Other Sounder Other Calibrated
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i>	Ash Chalk Cobbles Diatomaceous Earth Gravel Madrepore Mud <i>Other</i> Pumice Sand Shell Spicules Volcanic Ash		Bedrock Cinders Conglomerate Foraminifera Ground Shell Manganese Mussels Oysters Quartz Schist Shingle Sponge		Boulders Cirripedia Coral Frozen Water Lava Marl <i>No Information</i> Pebbles Radiolaria Scoria Silt Stone	Calcareous Clay Coral Head Fucus Loess Matte Ooze Plant Material Rock Sea Moss Soil Tufa
Submarine-like Object	1	No Information	Boolean	Unitless	0	An indication that an object on the sea floor (for example: a wreck) could be mistakenly identified as an operable submarine when detected (for example: using acoustic or magnetic sensors).
<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
Hydrographic Vertical Positioning Information : Uncovering Height Known	1	No Information	Boolean	Unitless	0	An indication that information is known about the height to which a marine feature may be uncovered by the tide.
<i>allowed values:</i> <i>FALSE</i>			No Information			<i>TRUE</i>

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Hydrographic Vertical Positioning Information : Sounding Metadata : Vessel Draft Correction	1	No Information	Boolean	Unitless	0	An indication that a vessel draft correction has been applied.
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allowed values: False

No Information

True

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: FoulGround (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 FoulGround (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 FoulGround (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 FoulGround (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 FoulGround (Point 00) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup 00)
 FoulGround (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 FoulGround (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature Fountain (Area 00)

New ☐ Fountain

A monumental and/or ornamental structure containing moving water, often including jets, falls, or other decorative features. [Description] The structure is often of a civic nature; the water is typically recirculated.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
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Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
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allowed values: -999999

New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre		The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
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allowed values: -999999

New Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre		The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
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allowed values: -999999

New Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density		The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
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allowed values: -999999

New Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre		The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
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allowed values: -999999

Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
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allowed values: No Information
Partially Operational

Non-operational
Planned

Not in Operation
Temporarily Non-operational

Operational

New	Feature Code	1	BH075	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u> BH075						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999						
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999						
	Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<u>allowed values:</u> Dry			Intermittent			No Information Perennial
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre		The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<u>allowed values:</u> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
New	Water Resource Information : pH of Water	1	-999999	Real	Milligrams per Litre		The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<u>allowed values:</u> -999999						
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<u>allowed values:</u> Damaged			Destroyed			Dismantled Intact
	No Information			Ruined			Site Preparation Under Construction
	Unmaintained						
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<u>allowed values:</u> U						

Process Step Information : Resource Content Originator						1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:						Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)					
						Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)					
						Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)					
						Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)						1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:						No Information					
Restriction Information : Security Attributes Group (resource owner-producer)						1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:						No Information					
Specified Domain Values(s)						1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:						No Information					
New	Water Resource Information : Sulfate Concentration					1	-999999	Real	Milligrams per Litre		The mass of sulfate ions per volume of solution.
allowed values:						-999999					
New	Water Resource Information : Temperature					1	-999999	Real	Degree Celsius		The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
allowed values:						-999999					
New	Water Resource Information : Total Dissolved Solids					1	-999999	Real	Milligrams per Litre		The total mass of dissolved inorganic chemical constituents per volume of solution.
allowed values:						-999999					
New	Water Resource Information : Turbidity					1	-999999	Real	Nephelometric Turbidity Units		The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
allowed values:						-999999					
Unique Entity Identifier						1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:						No Information					

	Volume	1	-999999	REAL	Cubic Metre	The volume of a feature. [Description] For example, the storage capacity of a water tower.
	<i>allowed values:</i> -999999					
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	The electrical conductivity of water.
	<i>allowed values:</i> -999999					
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<i>allowed values:</i> -999999					
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless 0	The potability of water based on the type of treatment required before it is safe for human consumption.
	<i>allowed values:</i> Contaminated Potable No Information Treatable Nonpotable Other					
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless 0	The type of available water based on its composition.
	<i>allowed values:</i> Alkaline Mineral No Information Not Applicable					
New	Water Resource Information : Water Use	3	No Information	Enumeration	Unitless	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.
	<i>allowed values:</i> Agricultural Irrigation Commercial Livestock Domestic Irrigation Industrial Institutional Power Generation Municipal No Information Other Recreational Sanitary Domestic					
	Width	1	-999999	REAL	Metre 0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Fountain (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Fountain (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Fountain (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Fountain (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Fountain (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Fountain (Area 00) - is a member of group - Exactly one - CultureSrf (FeatureGroup 00)

Feature Fountain (Point 00)New ☐ Fountain

A monumental and/or ornamental structure containing moving water, often including jets, falls, or other decorative features. [Description] The structure is often of a civic nature; the water is typically recirculated.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New	Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
	<i>allowed values:</i> -999999					

New	Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre		The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density		The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre		The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<u>allowed values:</u> -999999						
	Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
	<u>allowed values:</u> No Information Partially Operational			Non-operational Planned		Not in Operation Temporarily Non-operational	Operational
New	Feature Code	1	BH075	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u> BH075						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999						
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999						
	Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<u>allowed values:</u> Dry			Intermittent		No Information	Perennial
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre		The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<u>allowed values:</u> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						

	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False		No Information				True
New	Water Resource Information : pH of Water	1	-999999	Real	Milligrams per Litre		The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<i>allowed values:</i> -999999						
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<i>allowed values:</i> U						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
	<i>allowed values:</i>						
	Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
	Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
	General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
	Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
	Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
	Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
	No Information			Other			Swedish Armed Forces (Sweden)
	Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
	U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
	U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
	U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
	U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
	U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
	U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
	U.S. Transportation Command (USTRANSCOM)						U.S. Strategic Command (USSTRATCOM)
	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
	<i>allowed values:</i> No Information						
	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
	<i>allowed values:</i> No Information						
	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
	<i>allowed values:</i> No Information						
New	Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre		The mass of sulfate ions per volume of solution.
	<i>allowed values:</i> -999999						

New	Water Resource Information : Temperature	1	-999999	Real	Degree Celsius		The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre		The total mass of dissolved inorganic chemical constituents per volume of solution.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units		The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<i>allowed values:</i> -999999						
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<i>allowed values:</i> No Information						
	Volume	1	-999999	REAL	Cubic Metre		The volume of a feature. [Description] For example, the storage capacity of a water tower.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime		The electrical conductivity of water.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre		The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<i>allowed values:</i> -999999						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
	<i>allowed values:</i> Contaminated Potable			No Information Treatable			Nonpotable Other
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
	<i>allowed values:</i> Alkaline			Mineral			No Information Not Applicable
New	Water Resource Information : Water Use	3	No Information	Enumeration	Unitless		The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.
	<i>allowed values:</i> Agricultural Irrigation Institutional Other			Commercial Livestock Power Generation			Domestic Irrigation Municipal Recreational Industrial No Information Sanitary Domestic
	Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999						

Relationships: Fountain (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Fountain (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Fountain (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Fountain (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Fountain (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Fountain (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Fountain (Point 00) - is a member of group - Exactly one - CulturePnt (FeatureGroup 00)

Feature FuelStorageFacility (Area 00)New ☐ Fuel Storage Facility

A facility for the storage of fuel (for example: jet fuel, gasoline, or diesel oil). [Description] The fuel is typically stored in large tanks that may be partially or wholly buried and is accompanied by metering and dispensing equipment. Facilities may range in size from a small stockpile of drums (sometimes termed a 'fuel dump') to a large perimeter-controlled site with multiple permanent surface tanks, in-ground pipelines and associated equipment (sometimes termed a 'fuel depot').

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AM075	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AM075						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Agriculture Education No Information Railway Transport Utilities			Air Transport Government Other Road Transport Water Transport			Canal Transport Law Enforcement Petrol Sale Transfer Hub Defence Activities Mining and Quarrying Petroleum Refining Transport
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<i>allowed values:</i> False			No Information			True
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: FuelStorageFacility (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 FuelStorageFacility (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 FuelStorageFacility (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 FuelStorageFacility (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 FuelStorageFacility (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 FuelStorageFacility (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 FuelStorageFacility (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 FuelStorageFacility (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 FuelStorageFacility (Area 00) - is a member of group - Exactly one - StorageSrf (FeatureGroup 00)

Feature FuelStorageFacility (Point 00)New ☐ Fuel Storage Facility

A facility for the storage of fuel (for example: jet fuel, gasoline, or diesel oil). [Description] The fuel is typically stored in large tanks that may be partially or wholly buried and is accompanied by metering and dispensing equipment. Facilities may range in size from a small stockpile of drums (sometimes termed a 'fuel dump') to a large perimeter-controlled site with multiple permanent surface tanks, in-ground pipelines and associated equipment (sometimes termed a 'fuel depot').

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State	Joint Military and Civilian Other		Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned	Not in Operation Temporarily Non-operational		Operational

New	Feature Code	1	AM075	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AM075						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Agriculture Education No Information Railway Transport Utilities			Air Transport Government Other Road Transport Water Transport			Canal Transport Law Enforcement Petrol Sale Transfer Hub Defence Activities Mining and Quarrying Petroleum Refining Transport
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999						
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999						
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999						
	Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
	<i>allowed values:</i> False			No Information			True
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<i>allowed values:</i> U						

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: FuelStorageFacility (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 FuelStorageFacility (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 FuelStorageFacility (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 FuelStorageFacility (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 FuelStorageFacility (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 FuelStorageFacility (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 FuelStorageFacility (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 FuelStorageFacility (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 FuelStorageFacility (Point 00) - is a member of group - Exactly one - StoragePnt (FeatureGroup 00)

Feature Gantry (Line 00)New ☐ Gantry

A permanent raised structure used to support equipment (for example: cranes, signal lights, or signs) while spanning over or around an object (for example: over a road or railroad, or around a ship hull or rocket). [Description] A gantry may be moveable (for example: a rocket gantry may be repositioned away from the launch pad when pre-launch preparations are complete). A 'scaffold' is a structure that may be similar in appearance but is assembled only for temporary use (for example: during external repair of a building).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Crane Mobility Type	1	No Information	Enumeration	Unitless	0	The type of mobility of a crane.
<i>allowed values:</i> Fixed Travelling			Floating			No Information Other
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL080	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL080						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Manufacturing Water Transport			No Information			Other Railway Transport
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						

Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i>	Aluminum Other		Iron Steel			Metal No Information
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
<i>allowed values:</i>	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Gantry (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Gantry (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Gantry (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Gantry (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Gantry (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Gantry (Line 00) - is a member of group - Exactly one - StructureCrv (FeatureGroup 00)

Feature Gantry (Point 00)

New ☐ Gantry

A permanent raised structure used to support equipment (for example: cranes, signal lights, or signs) while spanning over or around an object (for example: over a road or railroad, or around a ship hull or rocket). [Description] A gantry may be moveable (for example: a rocket gantry may be repositioned away from the launch pad when pre-launch preparations are complete). A 'scaffold' is a structure that may be similar in appearance but is assembled only for temporary use (for example: during external repair of a building).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i>	False		No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i>	-999999					
Crane Mobility Type	1	No Information	Enumeration	Unitless	0	The type of mobility of a crane.
<i>allowed values:</i>	Fixed Travelling		Floating			No Information Other
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i>	No Information Partially Operational		Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL080	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i>	AL080					
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i>	Manufacturing Water Transport		No Information			Other Railway Transport
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i>	-999999					

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<i>allowed values:</i> -999999							
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
<i>allowed values:</i> False			No Information		True		
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.	
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction	
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i> U							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)			
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
<i>allowed values:</i> No Information							

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum Other			Iron Steel	MetalNo Information		
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						

Relationships: Gantry (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Gantry (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Gantry (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Gantry (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Gantry (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Gantry (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Gantry (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Gantry (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Gantry (Point 00) - is a member of group - Exactly one - StructurePnt (FeatureGroup 00)

Feature Gate (Line 00)

New ☐ Gate

A barrier on a transportation route (for example: a road, a railway, a tunnel, or a bridge) that controls passage (may be opened and closed).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i>	Civilian		International			Joint Military and Civilian
	National		No Information			Other
	Public		State			Military
						Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i>	No Information		Non-operational			Not in Operation
	Partially Operational		Planned			Temporarily Non-operational
						Operational

New	Feature Code	1	AP040	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AP040						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Agriculture Other Security Services			Botanical and/or Zoological Reserve Activities Public Order Transport			Guard Public Order, Safety and Security Services No Information Residence
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
	Gate Use	1	No Information	Enumeration	Unitless	0	The type of a gate (or similar route barrier) based on its intended use.
	<i>allowed values:</i> Border Crossing Other			Crossing Toll-gate			Entrance No Information
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999						
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<i>allowed values:</i> U						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)		Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)		Defense Information Security (Italy)
	General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)		Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)		Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)		Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)		National Army Topographic Service (Moldova)
	No Information			Other			Swedish Armed Forces (Sweden)		Topographic Institute (Slovakia)
	Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force		U.S. Army
	U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)		U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)		U.S. Department of State
	U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)		U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)		U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy		U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)		U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)								
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.		
allowed values: No Information									
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.		
allowed values: No Information									
Route Total Usable Width		1	-999999	REAL	Metre	0	The total usable width of the travelled way of a route. [Description] Includes pavements and shoulders.		
allowed values: -999999									
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.		
allowed values: No Information									
Thickness		1	-999999	REAL	Metre	0	The distance between the two opposite surfaces of an object, usually the distance of smallest measure. [Description] The third dimension of an object, distinct from length and width (breadth).		
allowed values: -999999									
Transportation System Type		3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.		
allowed values: Bus				No Information			Other		Pedestrian
Railway				Road			Truck		Underground Railway
Unique Entity Identifier		1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.		

allowed values: No Information

Relationships: Gate (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Gate (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Gate (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Gate (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Gate (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Gate (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Gate (Line 00) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup 00)

Feature Gate (Point 00)

New ☐ Gate**A barrier on a transportation route (for example: a road, a railway, a tunnel, or a bridge) that controls passage (may be opened and closed).**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AP040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AP040						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Agriculture Other Security Services			Botanical and/or Zoological Reserve Activities Public Order Transport			Guard Public Order, Safety and Security Services No Information Residence
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Gate Use	1	No Information	Enumeration	Unitless	0	The type of a gate (or similar route barrier) based on its intended use.
<i>allowed values:</i> Border Crossing Other			Crossing Toll-gate			Entrance No Information
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values: <div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Route Total Usable Width	1	-999999	REAL	Metre	0	The total usable width of the travelled way of a route. [Description] Includes pavements and shoulders.
allowed values: -999999						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Thickness	1	-999999	REAL	Metre	0	The distance between the two opposite surfaces of an object, usually the distance of smallest measure. [Description] The third dimension of an object, distinct from length and width (breadth).
allowed values: -999999						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
allowed values: <div> Bus Railway </div> <div> No Information Road </div> <div> Other Truck </div> <div> Pedestrian Underground Railway </div>						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						

Relationships: Gate (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Gate (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Gate (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Gate (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Gate (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Gate (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Gate (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Gate (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Gate (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)

Feature GaugingStation (Point 00) New ☐ Gauging Station

A device that monitors river flow and/or depth, and any associated support structures.

	Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New	Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
	<i>allowed values:</i> -999999						
	Average Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	<i>allowed values:</i> [-999999, -999999]			No Information			
New	Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<i>allowed values:</i> -999999						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i> -999999						
New	Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
	<i>allowed values:</i> -999999						
New	Feature Code	1	BI070	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BI070						
	Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
	Geographic Name Type	2	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Other			Historical Transliterated Provisional			Native Transliterated Unverified Transliterated No Information Variant Transliterated

New	Least Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<u>allowed values:</u> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
New	Water Resource Information : pH of Water	1	-999999	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<u>allowed values:</u> -999999						
New	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical state of a structure, or site, as a whole.
	<u>allowed values:</u> Damaged No Information Under Construction			Destroyed Other Unmaintained			Dismantled Ruined Intact Site Preparation
	Predominant Average Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average water velocity, exclusive of high water due to runoff or low water due to drought.
	<u>allowed values:</u> [-999999, -999999]			No Information			
	Predominant Maximum Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	<u>allowed values:</u> [-999999, -999999]			No Information			
	Predominant Maximum Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.
	<u>allowed values:</u> [-999999, -999999]						
	Predominant Minimum Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	<u>allowed values:</u> [-999999, -999999]			No Information			
	Predominant Minimum Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average minimum (seasonal low water) water velocity, exclusive of high water due to runoff or low water due to drought.
	<u>allowed values:</u> [-999999, -999999]						
	Predominant Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	<u>allowed values:</u> [-999999, -999999]			No Information			
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<u>allowed values:</u> U						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)			
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)			
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)			
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)			
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)			
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)			
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)			
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army			
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard			
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State			
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)			
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration			
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)			
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)			
	U.S. Transportation Command (USTRANSCOM)						
	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
	allowed values:	No Information					
	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
	allowed values:	No Information					
	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information						
Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.	
allowed values:	-999999						
Water Resource Information : Temperature	1	-999999	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.	
allowed values:	-999999						
Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.	
allowed values:	-999999						
Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).	
allowed values:	-999999						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values:	No Information						
Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	0	The electrical conductivity of water.	
allowed values:	-999999						

New	Water Resource Information : Water Flow	1	-999999	Real	Cubic Metres per Second	0	The rate of water flow through or exiting from a feature.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<u>allowed values:</u> -999999						
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless		The type of available water based on its composition.
	<u>allowed values:</u>	Alkaline		Brackish		Brine	Fresh
		Mineral		No Information		Not Applicable	Other
		Saline		Seawater			

Relationships: GaugingStation (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 GaugingStation (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 GaugingStation (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 GaugingStation (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 GaugingStation (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 GaugingStation (Point 00) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup 00)
 GaugingStation (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
 GaugingStation (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)

Feature GeodeticPoint (Point 00)New ☐ Geodetic Point

A physical point on the Earth's surface having a known position (for example: as determined by survey) and established as part of a geodetic network. [Description] For example, a triangulation (trig) point.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Feature Code	1	ZB060	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> ZB060						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:	No Information						
Survey Control Point Type	1	No Information	Enumeration	Unitless	0	The type of a control point established by surveying methods based on method of establishment and/or intended use.	
allowed values:	Benchmark Vertical Position		Horizontal Position		Horizontal Position and Benchmark No Information		
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values:	No Information						
Relationships: GeodeticPoint (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00) GeodeticPoint (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00) GeodeticPoint (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00) GeodeticPoint (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00) GeodeticPoint (Point 00) - is a member of group - Exactly one - HypsographyPnt (FeatureGroup 00) GeodeticPoint (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00) GeodeticPoint (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)							

Feature GeologicFault (Line 00)

New ☐ Geologic Fault

A fracture or zone of fractures in a rock formation, marked by the relative displacement on either side of the plane of the fracture. [Description] The intersection of a geologic fault with the ground surface is termed the 'fault trace' and is commonly plotted on maps to represent a fault. Since geologic faults do not usually consist of a single, clean fracture, the term 'fault zone' (or 'distributed fault') is often used when referring to the zone of complex deformation and numerous small fractures that is associated with the fault plane.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	DB110	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> DB110						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Geologic Fault Trace Visible	1	No Information	Boolean	Unitless	0	An indication that a geologic fault is visible at the ground surface.
<u>allowed values:</u> False			No Information			True
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			
Restriction Information : Security Attributes Group (resource non-intelligence community markings)				
allowed values:	No Information			
Restriction Information : Security Attributes Group (resource owner-producer)				
allowed values:	No Information			
Specified Domain Values(s)				
allowed values:	No Information			
Unique Entity Identifier				
allowed values:	No Information			
Width				

allowed values: -999999

- Relationships:** GeologicFault (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 GeologicFault (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 GeologicFault (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 GeologicFault (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 GeologicFault (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 GeologicFault (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 GeologicFault (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 GeologicFault (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 GeologicFault (Line 00) - is a member of group - Exactly one - PhysiographyCrv (FeatureGroup 00)

Feature GeopoliticalEntity (Area 00)

New ☐ Geopolitical Entity

A region controlled by a political community having an organized government and possessing internal and external sovereignty, most often as a State but sometimes having a dependent relationship on another political authority or a special sovereignty status. [Description] The degree of sovereignty may be limited in specific areas (for example: matters of economic, administrative, legislative, judicial, military and/or foreign policy). The region controlled by a sovereign geopolitical entity is commonly referred to as a 'country'.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Feature Code	1	FA002	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> FA002						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Geopolitical Entity Type	1	No Information	Enumeration	Unitless	0	The type of a legally recognized geopolitical entity (for example: a State or a zone).
<i>allowed values:</i> Area of No Sovereignty Economic Region No Information Territory			Buffer Zone Freely Associated State Other Zone of Occupation			Demilitarized Zone (DMZ) Independent Political Entity Political Entity Dependent Political Entity Leased Area Semi-independent Political Entity
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)			Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)
						Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: GeopoliticalEntity (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 GeopoliticalEntity (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 GeopoliticalEntity (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 GeopoliticalEntity (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 GeopoliticalEntity (Area 00) - is a member of group - Exactly one - BoundarySrf (FeatureGroup 00)
 GeopoliticalEntity (Area 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 GeopoliticalEntity (Area 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
 GeopoliticalEntity (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 GeopoliticalEntity (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature GeothermalOutlet (Area 00)

New ☐ Geothermal Outlet

A terrain surface feature controlled by or derived from the heat of the Earth's interior. [Description] For example, a hot spring.

	Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New	Water Resource Information : Aquifer Name	1	No Information	String	Unitless	254	The common or scientific name of an aquifer.
	<i>allowed values:</i> No Information						
	<i>allowed values:</i> No Information						
	Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<i>allowed values:</i> -999999						

New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<u>allowed values:</u> -999999						
	Direction of Flow	1	-999999	REAL	Arc Degree	0	The bearing of movement or direction of the flow.
	<u>allowed values:</u> -999999						
New	Feature Code	1	DB115	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<u>allowed values:</u> DB115						
	Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
	Geographic Name Type	3	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Other			Historical Transliterated Provisional			Native Transliterated Unverified Transliterated No Information Variant Transliterated
	Geothermal Outlet Type	1	No Information	Enumeration	Unitless	0	The type of a geothermal outlet based on its morphology.
	<u>allowed values:</u> Fissure No Information			Fumarole Other			Geyser Sulphur Spring Hot Spring
	Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
	<u>allowed values:</u> -999999						
	Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<u>allowed values:</u> Dry			Intermittent			No Information Perennial
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<u>allowed values:</u> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
New	Water Resource Information : pH of Water	1	-999999	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<u>allowed values:</u> -999999						

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
New Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999						
New Water Resource Information : Temperature	1	-999999	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999						
New Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999						
New Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999						

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
New Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	0	The electrical conductivity of water.
<i>allowed values:</i> -999999						
New Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
<i>allowed values:</i> -999999						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> No Information			Nonpotable	Other		Potable
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline			Mineral	No Information		Not Applicable
New Water Resource Information : Water Use	3	No Information	Enumeration	Unitless	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.	
<i>allowed values:</i> Agricultural Irrigation Institutional Other			Commercial Livestock Power Generation	Domestic Irrigation Municipal Recreational		Industrial No Information Sanitary Domestic
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: GeothermalOutlet (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 GeothermalOutlet (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 GeothermalOutlet (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 GeothermalOutlet (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 GeothermalOutlet (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 GeothermalOutlet (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 GeothermalOutlet (Area 00) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup 00)

Feature GeothermalOutlet (Point 00)New ☐ Geothermal Outlet**A terrain surface feature controlled by or derived from the heat of the Earth's interior. [Description] For example, a hot spring.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Water Resource Information : Aquifer Name	1	No Information	String	Unitless	254	The common or scientific name of an aquifer.
<i>allowed values:</i> No Information						
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						

New	Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<u>allowed values:</u> -999999						
	Direction of Flow	1	-999999	REAL	Arc Degree	0	The bearing of movement or direction of the flow.
	<u>allowed values:</u> -999999						
New	Feature Code	1	DB115	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u> DB115						
	Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
	Geographic Name Type	3	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Other			Historical Transliterated Provisional		Native Transliterated Unverified Transliterated	No Information Variant Transliterated
	Geothermal Outlet Type	1	No Information	Enumeration	Unitless	0	The type of a geothermal outlet based on its morphology.
	<u>allowed values:</u> Fissure No Information			Fumarole Other		Geyser Sulphur Spring	Hot Spring
	Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
	<u>allowed values:</u> -999999						
	Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<u>allowed values:</u> Dry			Intermittent		No Information	Perennial
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<u>allowed values:</u> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.

<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False						
No Information						
True						
New Water Resource Information : pH of Water	1	-999999	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
<u>allowed values:</u> -999999						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)						
Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)						
Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)						
Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<u>allowed values:</u> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<u>allowed values:</u> No Information						
New Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<u>allowed values:</u> -999999						
New Water Resource Information : Temperature	1	-999999	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<u>allowed values:</u> -999999						

New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<u>allowed values:</u> -999999						
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<u>allowed values:</u> No Information						
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	0	The electrical conductivity of water.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<u>allowed values:</u> -999999						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
	<u>allowed values:</u> No Information			Nonpotable	OtherPotable		
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
	<u>allowed values:</u> Alkaline			Mineral	No InformationNot Applicable		
New	Water Resource Information : Water Use	3	No Information	Enumeration	Unitless		The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.
	<u>allowed values:</u> Agricultural Irrigation Institutional Other			Commercial Livestock Power Generation	Domestic Irrigation Municipal RecreationalIndustrial No Information Sanitary Domestic		
	Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: GeothermalOutlet (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 GeothermalOutlet (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 GeothermalOutlet (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 GeothermalOutlet (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 GeothermalOutlet (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 GeothermalOutlet (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 GeothermalOutlet (Point 00) - is a member of group - Exactly one - PhysiographyPnt (FeatureGroup 00)
 GeothermalOutlet (Point 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 GeothermalOutlet (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature Glacier (Area 00)

New ☐ Glacier

A large mass or river of ice formed by accumulation and compaction of snow on higher ground that is moving slowly down a slope or valley from above the snowline.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	BJ030	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BJ030						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
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Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Glacier (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Glacier (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Glacier (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Glacier (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Glacier (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Glacier (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Glacier (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Glacier (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Glacier (Area 00) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup 00)

Feature GolfCourse (Area 00)

New ☐ Golf Course

A tract of land on which golf is played.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AK100	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK100						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: GolfCourse (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 GolfCourse (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 GolfCourse (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 GolfCourse (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 GolfCourse (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 GolfCourse (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 GolfCourse (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 GolfCourse (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 GolfCourse (Area 00) - is a member of group - Exactly one - RecreationSrf (FeatureGroup 00)

Feature GolfDrivingRange (Area 00)

New ☐ Golf Driving Range

A parcel of land used for practicing golf shots.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AK101	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK101						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			
Restriction Information : Security Attributes Group (resource non-intelligence community markings)				
allowed values:	No Information			
Restriction Information : Security Attributes Group (resource owner-producer)				
allowed values:	No Information			
Specified Domain Values(s)				
allowed values:	No Information			
Unique Entity Identifier				
allowed values:	No Information			
Width				

allowed values: -999999

Relationships: GolfDrivingRange (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 GolfDrivingRange (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 GolfDrivingRange (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 GolfDrivingRange (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 GolfDrivingRange (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 GolfDrivingRange (Area 00) - is a member of group - Exactly one - RecreationSrf (FeatureGroup 00)

Feature GrainElevator (Area 00)

New ☐ Grain Elevator**A tall structure, equipped for loading, unloading, processing, and/or storing grain.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information			Non-operational			Not in Operation
<i>Partially Operational</i>			Planned			Temporarily Non-operational
<i>Operational</i>						
New Feature Code	1	AM030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AM030						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.

allowed values: <i>Damaged</i> No Information <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>			<i>Dismantled</i> <i>Site Preparation</i>	<i>Intact</i> <i>Under Construction</i>
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
allowed values: <i>U</i>							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values: No Information							
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values: No Information							
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.	
allowed values: Conical Other			Domed Pitched			Flat Pyramidal	No Information Semi-cylindrical
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values: No Information							
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values: No Information							
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).	
allowed values:	Aluminum Metal Reinforced Concrete		Concrete No Information Steel		Iron Other Wood		Masonry Prestressed Concrete

Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: GrainElevator (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 GrainElevator (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 GrainElevator (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 GrainElevator (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 GrainElevator (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 GrainElevator (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 GrainElevator (Area 00) - is a member of group - Exactly one - StorageSrf (FeatureGroup 00)

Feature GrainElevator (Point 00)

New ☐ Grain Elevator

A tall structure, equipped for loading, unloading, processing, and/or storing grain.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AM030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AM030						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.

allowed values: -999999

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u>	-999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u>	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u>	False					No Information
New Physical Condition	1	No Information	Enumeration	Unitless		True
<u>allowed values:</u>	Damaged					Destroyed
	No Information					Dismantled
	Unmaintained					Intact
						Site Preparation
						Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u>	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)					Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)
						Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)
						Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u>	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.

allowed values:	No Information					
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
allowed values:	Conical Other		Domed Pitched			Flat Pyramidal No Information Semi-cylindrical
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
allowed values:	Aluminum Metal Reinforced Concrete		Concrete No Information Steel			Iron Other Wood Masonry Prestressed Concrete
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: GrainElevator (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 GrainElevator (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 GrainElevator (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 GrainElevator (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 GrainElevator (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 GrainElevator (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 GrainElevator (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 GrainElevator (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 GrainElevator (Point 00) - is a member of group - Exactly one - StoragePnt (FeatureGroup 00)

Feature GrainStorageStructure (Area 00)New ☐ Grain Storage Structure**An enclosed container, used for storing grain or fodder.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
allowed values:	False		No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values:	-999999					
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values:	No Information Partially Operational		Non-operational Planned			Not in Operation Temporarily Non-operational Operational

New	Feature Code	1	AM020	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u> AM020						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999						
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999						
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999						
	Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
	<u>allowed values:</u> False			No Information		True	
	Margin Number	1	-999999	Integer	Unitless		The numeric identifier used to relate a feature instance to additional information about that feature instance that may be presented along the margin (outside the neat line) of a map or chart sheet on which that feature instance is portrayed. [Description] The scope of uniqueness may only be within the map or chart sheet.
	<u>allowed values:</u> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information		True	
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<u>allowed values:</u> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<u>allowed values:</u> U						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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GrainStorageStructure (Area 00)

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	No Information						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.	
allowed values:	Conical Other		Domed Pitched			Flat Pyramidal No Information Semi-cylindrical	
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:	No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values:	No Information						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).	
allowed values:	Aluminum Metal Reinforced Concrete		Concrete No Information Steel			Iron Other Wood Masonry Prestressed Concrete	
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.	
allowed values:	No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	

allowed values: -999999

Relationships: GrainStorageStructure (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 GrainStorageStructure (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 GrainStorageStructure (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 GrainStorageStructure (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 GrainStorageStructure (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 GrainStorageStructure (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 GrainStorageStructure (Area 00) - is a member of group - Exactly one - AgricultureSrf (FeatureGroup 00)

Feature GrainStorageStructure (Point 00)New ☐ Grain Storage Structure**An enclosed container, used for storing grain or fodder.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> <i>False</i>			<i>No Information</i>			<i>True</i>
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> <i>-999999</i>						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> <i>No Information</i> <i>Partially Operational</i>			<i>Non-operational</i> <i>Planned</i>			<i>Not in Operation</i> <i>Temporarily Non-operational</i> <i>Operational</i>
New Feature Code	1	AM020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> <i>AM020</i>						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> <i>No Information</i>						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> <i>-999999</i>						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> <i>-999999</i>						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> <i>-999999</i>						
Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<i>allowed values:</i> <i>False</i>			<i>No Information</i>			<i>True</i>
Margin Number	1	-999999	Integer	Unitless		The numeric identifier used to relate a feature instance to additional information about that feature instance that may be presented along the margin (outside the neat line) of a map or chart sheet on which that feature instance is portrayed. [Description] The scope of uniqueness may only be within the map or chart sheet.
<i>allowed values:</i> <i>-999999</i>						

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical Other			Domed Pitched			Flat Pyramidal No Information Semi-cylindrical
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.

allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
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<i>allowed values:</i> Aluminum Metal Reinforced Concrete			Concrete No Information Steel			Iron Other Wood Masonry Prestressed Concrete
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Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: GrainStorageStructure (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 GrainStorageStructure (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 GrainStorageStructure (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 GrainStorageStructure (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 GrainStorageStructure (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 GrainStorageStructure (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 GrainStorageStructure (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 GrainStorageStructure (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 GrainStorageStructure (Point 00) - is a member of group - Exactly one - AgriculturePnt (FeatureGroup 00)

Feature Grandstand (Area 00)New ☐ Grandstand**A structure for special viewing of outdoor events, usually roofed, that has tiers of seats or standing room for spectators.**

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

allowed values: False

Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
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allowed values: -999999

Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
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<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
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New Feature Code	1	AK110	CONSTRAINED_STRING	Unitless	5	Feature Code
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allowed values: AK110

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

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Grandstand (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Grandstand (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Grandstand (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Grandstand (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Grandstand (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Grandstand (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Grandstand (Area 00) - is a member of group - Exactly one - RecreationSrf (FeatureGroup 00)

Feature Grandstand (Point 00)

New ☐ Grandstand

A structure for special viewing of outdoor events, usually roofed, that has tiers of seats or standing room for spectators.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AK110	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK110						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction

Restriction Information : Security Attributes Group (resource classification)		1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U							
Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:							
Army Geographic Agency (Netherlands)				Army Geographic Centre (Spain)		Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
Defence Acquisition and Logistics Organization (Denmark)				Defence Geographic Centre Intelligence Collection Group (United Kingdom)		Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
General Command of Mapping (Turkey)				Geographic Service (Belgium)		Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
Geospatial Intelligence Organisation (New Zealand)				Hellenic Military Geographic Service (Greece)		Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
Mapping Service (Hungary)				Military Geographic Group (Estonia)		Military Geographic Service (Norway)	Military Geography Division (Poland)
Military Mapping Centre (Lithuania)				Military Topographic Directorate (Romania)		Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
No Information				Other		Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
Topographic Service (Finland)				U.S. Africa Command (USAFRICOM)		U.S. Air Force	U.S. Army
U.S. Army Geospatial Center (AGC)				U.S. Central Command (USCENTCOM)		U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
U.S. Defense Intelligence Agency (DIA)				U.S. Department of Energy (DOE)		U.S. Department of Homeland Security (DHS)	U.S. Department of State
U.S. European Command (USEUCOM)				U.S. Federal Bureau of Investigation (FBI)		U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
U.S. Marine Corps				U.S. National Civil Applications Program (NCAP)		U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
U.S. National Reconnaissance Office (NRO)				U.S. National Security Agency (NSA)		U.S. Navy	U.S. Northern Command (USNORTHCOM)
U.S. Pacific Command (PACOM)				U.S. Southern Command (USSOUTHCOM)		U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
U.S. Transportation Command (USTRANSCOM)							
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information							
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information							
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information							
Unique Entity Identifier		1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information							
Vertical Obstruction Identifier		1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values: No Information							
Width		1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values: -999999							

Relationships: Grandstand (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Grandstand (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Grandstand (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Grandstand (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Grandstand (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Grandstand (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Grandstand (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Grandstand (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Grandstand (Point 00) - is a member of group - Exactly one - RecreationPnt (FeatureGroup 00)

Feature Grassland (Area 00) New ☐ Grassland

A tract covered mainly by grasses that have little or no woody tissue. [Description] For example, pasture, meadow, and steppe.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Feature Code	1	EB010	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> EB010						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Grazing Raising of Animals			Hunting Recreation			No Information Other
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vegetation Characteristic	1	No Information	Enumeration	Unitless	0	The type of a vegetated area based on species, biome, physiography and/or structural organization.
allowed values:	Grassland Other		Grassland with Trees Tropical Grass		Meadow Without Trees	No Information
Vegetation Trafficability Impact	1	[-999999, -999999]	Real_Interval	Percent		The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
allowed values:	[-999999, -999999]					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: Grassland (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Grassland (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Grassland (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Grassland (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Grassland (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Grassland (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Grassland (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Grassland (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Grassland (Area 00) - is a member of group - Exactly one - VegetationSrf (FeatureGroup 00)

Feature Greenhouse (Area 00)New ☐ Greenhouse

A building constructed primarily of transparent material (for example: glass or plastic), in which temperature and humidity can be controlled for the cultivation and/or protection of plants.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Attached Building	1	No Information	Boolean	Unitless	0	An indication that a building is physically contiguous (for example: shares a common wall) with one or more adjacent buildings.
<i>allowed values:</i> FALSE			No Information			TRUE
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National State			International No Information			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AJ110	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AJ110						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Agriculture No Information			Amusement Not Applicable			Education Other Growing of Crops
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i> Accurate			Approximate			Doubtful
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged			Destroyed			Dismantled
No Information			Ruined			Intact
Unmaintained						Site Preparation
						Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
						Geospatial Information Agency (Latvia)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
						Bundeswehr Geoinformation Office (Germany)
						Defense Information Security (Italy)
						Mapping and Charting Establishment (Canada)
						Military Geography Division (Poland)
						National Army Topographic Service (Moldova)
						Topographic Institute (Slovakia)
						U.S. Army
						U.S. Coast Guard
						U.S. Department of State
						U.S. Joint Forces Command (USJFCOM)
						U.S. National Oceanic and Atmospheric Administration
						U.S. Northern Command (USNORTHCOM)
						U.S. Strategic Command (USSTRATCOM)

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical Flat with Parapet Pitched with Clerestory With Clerestory With Steeple			Domed No Information Pyramidal With Cupola With Tower			Flat Other Sawtoothed With Minaret With Turret Flat with Clerestory Pitched Semi-cylindrical With Smokestack
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Greenhouse (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Greenhouse (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Greenhouse (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Greenhouse (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Greenhouse (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Greenhouse (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Greenhouse (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Greenhouse (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Greenhouse (Area 00) - is a member of group - Exactly one - AgricultureSrf (FeatureGroup 00)

Feature Greenhouse (Point 00)New ☐ Greenhouse

A building constructed primarily of transparent material (for example: glass or plastic), in which temperature and humidity can be controlled for the cultivation and/or protection of plants.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.

<u>allowed values:</u> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Attached Building	1	No Information	Boolean	Unitless	0	An indication that a building is physically contiguous (for example: shares a common wall) with one or more adjacent buildings.
<u>allowed values:</u> FALSE						
			No Information		TRUE	
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> Civilian National State			International No Information		Joint Military and Civilian Other Military Private	
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned		Not in Operation Temporarily Non-operational Operational	
New Feature Code	1	AJ110	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AJ110						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<u>allowed values:</u> Agriculture No Information			Amusement Not Applicable		Education Other Growing of Crops	
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<u>allowed values:</u> Accurate			Approximate		Doubtful No Information	
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.

allowed values: <i>False</i>	<i>No Information</i>		<i>True</i>				
New Physical Condition	1	No Information	Enumeration	Unitless	The physical state of a structure, or site, as a whole.		
allowed values: <i>Damaged</i> <i>No Information</i> <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>	<i>Dismantled</i> <i>Site Preparation</i>	<i>Intact</i> <i>Under Construction</i>		
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
allowed values: <i>U</i>							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) <i>No Information</i> Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) <i>Other</i> U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values: <i>No Information</i>							
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values: <i>No Information</i>							
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.	
allowed values:	Conical Flat with Parapet Pitched with Clerestory With Clerestory With Steeple		Domed <i>No Information</i> Pyramidal With Cupola With Tower		Flat <i>Other</i> Sawtoothed With Minaret With Turret		Flat with Clerestory Pitched Semi-cylindrical With Smokestack
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values: <i>No Information</i>							
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values: <i>No Information</i>							

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Greenhouse (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Greenhouse (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Greenhouse (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Greenhouse (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Greenhouse (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Greenhouse (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Greenhouse (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Greenhouse (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Greenhouse (Point 00) - is a member of group - Exactly one - AgriculturePnt (FeatureGroup 00)

Feature Gridiron (Area 00)

New ☐ Gridiron

A timber structure in the intertidal zone serving as a support for vessels at low stages of the tide to permit work on the exposed portion of the vessel's hull.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	BB115	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BB115						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction

Restriction Information : Security Attributes Group (resource classification)		1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
allowed values: <i>U</i>								
Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:	Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information			Other			Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)							
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values: <i>No Information</i>								
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values: <i>No Information</i>								
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values: <i>No Information</i>								
Structural Material Type		3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.	
allowed values:	Concrete			Iron			Metal	No Information
	Other			Treated Timber			Wood	
Unique Entity Identifier		1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values: <i>No Information</i>								
Water Level Effect		1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.	
allowed values:	Always Dry			Always Submerged			Awash at Chart Datum	Awash at Low Water
	Covers and Uncovers			No Information			Other	Partly Submerged

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Gridiron (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Gridiron (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Gridiron (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Gridiron (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Gridiron (Area 00) - is a member of group - Exactly one - PortHarbourSrf (FeatureGroup 00)
 Gridiron (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 Gridiron (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature Grove (Area 00)

New ☐ Grove

A small wood or similar collection of trees growing closely together. [Description] May occur naturally or be deliberately planted for shade, ornamentation, and/or as an orchard (for example: of olives or citrus fruit).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Canopy Cover	1	-999999	REAL	Percent	0	The fraction of canopy cover within a defined area during the season of maximum foliage. [Description] The canopy is formed by the upper branches of the trees in a forest forming a more or less continuous layer.
<i>allowed values:</i> -999999						
Conspicuous Air Category	1	No Information	Enumeration	Unitless	0	The manner in which an object is conspicuous when viewed from the air. [Description] A conspicuous feature is easily detected and identified under varying conditions (for example: lighting). Factors affecting conspicuousness include size, shape, and/or height.
<i>allowed values:</i> No Information			Not Conspicuous			Visual
Conspicuous Ground Category	1	No Information	Enumeration	Unitless	0	The manner in which an object is conspicuous when viewed from on the ground. [Description] A conspicuous feature is easily detected and identified under varying conditions (for example: lighting). Factors affecting conspicuousness include size, shape, and/or height.
<i>allowed values:</i> No Information			Not Conspicuous			Visual
Conspicuous Sea Category	1	No Information	Enumeration	Unitless	0	The manner in which an object is conspicuous when viewed from the sea. [Description] A conspicuous feature is easily detected and identified under varying conditions (for example: lighting). Factors affecting conspicuousness include size, shape, and/or height.
<i>allowed values:</i> No Information			Not Conspicuous			Visual
New Feature Code	1	EC050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> EC050						
Feature Element Orientation	1	-999999	REAL	Arc Degree	0	The angular distance measured from true north (0 degrees) clockwise to the predominant linear pattern of the elements within a feature.
<i>allowed values:</i> -999999						
Foliage Type	1	No Information	Enumeration	Unitless	0	The predominant foliage type of the vegetation.
<i>allowed values:</i> Deciduous Other			Evergreen			Mixed No Information
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
<u>allowed values:</u> -999999							
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<u>allowed values:</u> -999999							
Isolated	1	No Information	Boolean	Unitless	0	An indication that a feature (for example: a structure) is in the open by itself, isolated from other features of a similar type, and thus is visually distinct from surrounding features when viewed from a distance.	
<u>allowed values:</u> FALSENo InformationTRUE							
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<u>allowed values:</u> -999999							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<u>allowed values:</u> No Information							
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<u>allowed values:</u> No Information							
Predominant Vegetation Height	1	-999999	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the vegetation.	
<u>allowed values:</u> -999999							
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<u>allowed values:</u> U							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
<u>allowed values:</u>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Shelter Belt	1	No Information	Boolean	Unitless	0	An indication that a feature (for example: a linear stand of trees) functions as a shelter belt, protecting other features (for example: roads, railways, cropland, and/or structures) from the effects of adverse weather.
<i>allowed values:</i> False			No Information			True
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Stem Diameter	1	[-999999,-999999]	REAL_Interval	Unitless	0	The average diameter of the tree trunks in an area, measured at a height of approximately 1.5 metres or 4.5 feet on the high side (if on a hillside) above the surface of the ground. [Description] Commonly referred to as the 'diameter at breast height' (dbh). For trees up to 2 metres high, the stem diameter is measured at the mid-point between the ground and the stem tip.
<i>allowed values:</i> [-999999,-999999]						
Summer Canopy Cover	1	-999999	REAL	Percent	0	The fraction of canopy cover within a defined area during the summer season. [Description] The canopy is formed by the upper branches of the trees in a forest forming a more or less continuous layer.
<i>allowed values:</i> -999999						
Tree Spacing	1	[-999999,-999999]	REAL_Interval	Unitless	0	The average tree spacing between trees in a stand, determined from centre to centre of adjacent trees.
<i>allowed values:</i> [-999999,-999999]						
Undergrowth Density	1	[-999999,-999999]	REAL_Interval	Unitless	0	The fraction of land within a defined area that is covered by undergrowth (for example: scrub, brush, and/or bush).
<i>allowed values:</i> [-999999,-999999]						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vegetation Species	3	No Information	Enumeration	Unitless	0	The predominant species of a tract of vegetation.
<i>allowed values:</i> Casuarina Eucalyptus No Information Pine			Coconut Filao Olive			Conifer Mangrove Other Cypress Nipa Palm
Vegetation Trafficability Impact	1	[-999999, -999999]	Real_Interval	Percent	0	The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
<i>allowed values:</i> [-999999, -999999]			-999999			
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Winter Canopy Cover	1	-999999	REAL	Percent	0	The fraction of canopy cover within a defined area during the winter season. [Description] The canopy is formed by the upper branches of the trees in a forest forming a more or less continuous layer.
<i>allowed values:</i> -999999						

Relationships: Grove (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Grove (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Grove (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Grove (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Grove (Area 00) - is a member of group - Exactly one - VegetationSrf (FeatureGroup 00)
 Grove (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 Grove (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature Grove (Point 00)New ☐ Grove

A small wood or similar collection of trees growing closely together. [Description] May occur naturally or be deliberately planted for shade, ornamentation, and/or as an orchard (for example: of olives or citrus fruit).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Canopy Cover	1	-999999	REAL	Percent	0	The fraction of canopy cover within a defined area during the season of maximum foliage. [Description] The canopy is formed by the upper branches of the trees in a forest forming a more or less continuous layer.
<i>allowed values:</i> -999999						
Conspicuous Air Category	1	No Information	Enumeration	Unitless	0	The manner in which an object is conspicuous when viewed from the air. [Description] A conspicuous feature is easily detected and identified under varying conditions (for example: lighting). Factors affecting conspicuousness include size, shape, and/or height.
<i>allowed values:</i> No Information			Not Conspicuous			Visual
Conspicuous Ground Category	1	No Information	Enumeration	Unitless	0	The manner in which an object is conspicuous when viewed from on the ground. [Description] A conspicuous feature is easily detected and identified under varying conditions (for example: lighting). Factors affecting conspicuousness include size, shape, and/or height.
<i>allowed values:</i> No Information			Not Conspicuous			Visual
Conspicuous Sea Category	1	No Information	Enumeration	Unitless	0	The manner in which an object is conspicuous when viewed from the sea. [Description] A conspicuous feature is easily detected and identified under varying conditions (for example: lighting). Factors affecting conspicuousness include size, shape, and/or height.
<i>allowed values:</i> No Information			Not Conspicuous			Visual
New Feature Code	1	EC050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> EC050						
Feature Element Orientation	1	-999999	REAL	Arc Degree	0	The angular distance measured from true north (0 degrees) clockwise to the predominant linear pattern of the elements within a feature.
<i>allowed values:</i> -999999						
Foliage Type	1	No Information	Enumeration	Unitless	0	The predominant foliage type of the vegetation.
<i>allowed values:</i> Deciduous Other			Evergreen			Mixed No Information
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.

allowed values: -999999

Isolated	1	No Information	Boolean	Unitless	0	An indication that a feature (for example: a structure) is in the open by itself, isolated from other features of a similar type, and thus is visually distinct from surrounding features when viewed from a distance.
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allowed values: FALSE

No Information

TRUE

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999

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

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

Predominant Vegetation Height	1	-999999	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the vegetation.
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allowed values: -999999

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
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allowed values: U

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
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allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
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Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
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allowed values: No Information

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
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allowed values: No Information

Shelter Belt	1	No Information	Boolean	Unitless	0	An indication that a feature (for example: a linear stand of trees) functions as a shelter belt, protecting other features (for example: roads, railways, cropland, and/or structures) from the effects of adverse weather.
<i>allowed values:</i> False			No Information			True
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Stem Diameter	1	[-999999,-999999]	REAL_Interval	Unitless	0	The average diameter of the tree trunks in an area, measured at a height of approximately 1.5 metres or 4.5 feet on the high side (if on a hillside) above the surface of the ground. [Description] Commonly referred to as the 'diameter at breast height' (dbh). For trees up to 2 metres high, the stem diameter is measured at the mid-point between the ground and the stem tip.
<i>allowed values:</i> [-999999,-999999]						
Summer Canopy Cover	1	-999999	REAL	Percent	0	The fraction of canopy cover within a defined area during the summer season. [Description] The canopy is formed by the upper branches of the trees in a forest forming a more or less continuous layer.
<i>allowed values:</i> -999999						
Tree Spacing	1	[-999999,-999999]	REAL_Interval	Unitless	0	The average tree spacing between trees in a stand, determined from centre to centre of adjacent trees.
<i>allowed values:</i> [-999999,-999999]						
Undergrowth Density	1	[-999999,-999999]	REAL_Interval	Unitless	0	The fraction of land within a defined area that is covered by undergrowth (for example: scrub, brush, and/or bush).
<i>allowed values:</i> [-999999,-999999]						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vegetation Species	3	No Information	Enumeration	Unitless	0	The predominant species of a tract of vegetation.
<i>allowed values:</i> Casuarina Eucalyptus No Information Pine			Coconut Filao Olive			Conifer Mangrove Other Cypress Nipa Palm
Vegetation Trafficability Impact	1	[-999999, -999999]	Real_Interval	Percent	0	The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
<i>allowed values:</i> [-999999, -999999]			-999999			
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Winter Canopy Cover	1	-999999	REAL	Percent	0	The fraction of canopy cover within a defined area during the winter season. [Description] The canopy is formed by the upper branches of the trees in a forest forming a more or less continuous layer.
<i>allowed values:</i> -999999						

Relationships: Grove (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Grove (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Grove (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Grove (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Grove (Point 00) - is a member of group - Exactly one - VegetationPnt (FeatureGroup 00)
 Grove (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 Grove (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature Harbour (Area 00)

New ☐ Harbour

A natural or artificial improved body of water providing protection for vessels and generally anchorage and docking facilities. [Description] A harbour consists of both its port and its waters.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999						
Average Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999, -999999]			No Information			
New Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999						
New Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National State			International No Information			Joint Military and Civilian Other Military Private
New Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BB005	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BB005						
Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Geographic Name Type	2	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Other			Historical Transliterated Provisional			Native Transliterated Unverified Transliterated No Information Variant Transliterated
Harbour Facility Function	3	No Information	Enumeration	Unitless	0	The primary function(s) of harbour facilities that are associated with a service or commercial operation of public interest.
<i>allowed values:</i> Bulk Terminal Marina Passenger Terminal Timber-yard			Container Terminal Naval Base Ro-Ro Terminal			Ferry Terminal No Information Shipyard Fishing Harbour Other Tanker Terminal
Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.

<u>allowed values:</u> -999999						
Hydrologic Persistence	1	No Information	Enumeration	Unitless		The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<u>allowed values:</u> Dry Perennial						
			Ephemeral		Intermittent	No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
New Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False						
			No Information		True	
New Water Resource Information : pH of Water	1	-999999	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
<u>allowed values:</u> -999999						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u> Damaged No Information Unmaintained						
			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Predominant Maximum Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<u>allowed values:</u> [-999999, -999999]						
			No Information			
Predominant Minimum Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<u>allowed values:</u> [-999999, -999999]						
			No Information			
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:						
<div> <div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div> </div>						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
New Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
allowed values: -999999						
New Water Resource Information : Temperature	1	-999999	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
allowed values: -999999						
Tide Influenced	1	No Information	Boolean	Unitless	0	An indication that a waterbody is affected by the tide.
allowed values: False						
			No Information		True	
New Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
allowed values: -999999						
New Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
allowed values: -999999						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						

New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	0	The electrical conductivity of water.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<u>allowed values:</u> -999999						
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless		The type of available water based on its composition.
	<u>allowed values:</u> Alkaline Mineral Saline			Brackish No Information Seawater		Brine Not Applicable	Fresh Other
	Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999						
	World Port Index Identifier	1	No Information	String	Unitless	14	The unique identifier element in the NGA World Port Index (Publication 150). [Description] The World Port Index lists all of the major shipping ports in the world, giving all the information (for example: latitude and longitude, facilities information, tidal data, and customs information) that a ship captain might need to prepare for a visit.

allowed values: No Information

Relationships: Harbour (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Harbour (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Harbour (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Harbour (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Harbour (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Harbour (Area 00) - is a member of group - Exactly one - PortHarbourSrf (FeatureGroup 00)
 Harbour (Area 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
 Harbour (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)

Feature HardenedAircraftShelter (Area 00)New ☐ Hardened Aircraft Shelter

A hardened structure built above or partially above ground that encloses aircraft to provide protection from enemy attack. [Description] The shelter is closed by blast resistant doors and is generally limited in size, only accommodating one or two relatively smaller (for example: fighter) aircraft. Those built to NATO specifications are designed to withstand a direct hit by a 226 kilogram bomb.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<u>allowed values:</u> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<u>allowed values:</u> False			No Information	True		
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.

	<i>allowed values:</i> No Information Partially Operational		Non-operational Planned			Not in Operation Temporarily Non-operational	Operational
New	Feature Code	1	GB250	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<i>allowed values:</i> GB250						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Air Transport Defence Activities Other			Aircraft Repair Emergency Operations Warehousing and Storage			Armory Meeting Place Cargo Handling No Information
New	Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The type of designated hazard protection shelter based on the kind of emergency. [Description] These shelters may be inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
	<i>allowed values:</i> Bomb Shelter Storm Shelter			Fallout Shelter			No Information Other
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999						
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999						
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
New	Multi-unit Building	1	No Information	Boolean	Unitless	0	An indication that a building is divided into two or more distinct sets of rooms or other interior spaces that are internally fully-connected while being separated from each other and common areas by controlled access point(s) (for example: lockable doors) that enable physical privacy and security for its occupants.
	<i>allowed values:</i> FALSE			No Information			TRUE
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<i>allowed values:</i> U						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
allowed values:	Conical Flat with Parapet Pitched with Clerestory With Clerestory With Steeple		Domed No Information Pyramidal With Cupola With Tower		Flat Other Sawtoothed With Minaret With Turret	Flat with Clerestory Pitched Semi-cylindrical With Smokestack
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: HardenedAircraftShelter (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 HardenedAircraftShelter (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 HardenedAircraftShelter (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 HardenedAircraftShelter (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 HardenedAircraftShelter (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 HardenedAircraftShelter (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 HardenedAircraftShelter (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 HardenedAircraftShelter (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 HardenedAircraftShelter (Area 00) - is a member of group - Exactly one - AeronauticSrf (FeatureGroup 00)

Feature HardenedAircraftShelter (Point 00)New ☐ Hardened Aircraft Shelter

A hardened structure built above or partially above ground that encloses aircraft to provide protection from enemy attack. [Description] The shelter is closed by blast resistant doors and is generally limited in size, only accommodating one or two relatively smaller (for example: fighter) aircraft. Those built to NATO specifications are designed to withstand a direct hit by a 226 kilogram bomb.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	GB250	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> GB250						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Air Transport Defence Activities Other			Aircraft Repair Emergency Operations Warehousing and Storage			Armory Meeting Place Cargo Handling No Information
New Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The type of designated hazard protection shelter based on the kind of emergency. [Description] These shelters may be inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
<i>allowed values:</i> Bomb Shelter Storm Shelter			Fallout Shelter			No Information Other
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u>	-999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u>	No Information					
New Multi-unit Building	1	No Information	Boolean	Unitless	0	An indication that a building is divided into two or more distinct sets of rooms or other interior spaces that are internally fully-connected while being separated from each other and common areas by controlled access point(s) (for example: lockable doors) that enable physical privacy and security for its occupants.
<u>allowed values:</u>	FALSE					TRUE
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u>	False					True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u>	Damaged No Information Unmaintained					Destroyed Ruined Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u>	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)					Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)
<u>allowed values:</u>	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)					Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u>	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.

allowed values:	No Information					
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
allowed values:	Conical		Domed		Flat	Flat with Clerestory
	Flat with Parapet		No Information		Other	Pitched
	Pitched with Clerestory		Pyramidal		Sawtoothed	Semi-cylindrical
	With Clerestory		With Cupola		With Minaret	With Smokestack
	With Steeple		With Tower		With Turret	
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: HardenedAircraftShelter (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 HardenedAircraftShelter (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 HardenedAircraftShelter (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 HardenedAircraftShelter (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 HardenedAircraftShelter (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 HardenedAircraftShelter (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 HardenedAircraftShelter (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 HardenedAircraftShelter (Point 00) - is a member of group - Exactly one - AeronauticPnt (FeatureGroup 00)

Feature HazardousRock (Point 00)New ☐ Hazardous Rock**An isolated rocky formation or a single large stone or coral, usually one constituting a danger to navigation. [Description] May be either dry, awash, or below the water surface.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values:	-999999					
Hydrographic Base Height : Sounding Metadata : Bathymetric Measurement Technique	3	No Information	Enumeration	Unitless		The technique used to determine water depth(s).
allowed values:	Area Swept by Wire-drag		Depth Known by Other Than Wire Drag		No Information	Other
New Feature Code	1	BD130	CONSTRAINED_ STRING	Unitless	5	Feature Code

allowed values: BD130

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.		
allowed values: No Information								
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.		
allowed values: -999999								
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.		
allowed values: -999999								
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.		
allowed values: No Information								
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.		
allowed values: No Information								
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.		
allowed values: U								
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.		
allowed values:								
			Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.		
allowed values: No Information								
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.		
allowed values: No Information								

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Coral			No Information			Other Rock
Hydrographic Vertical Positioning Information : Uncovering Height Known	1	No Information	Boolean	Unitless	0	An indication that information is known about the height to which a marine feature may be uncovered by the tide.
<i>allowed values:</i> FALSE			No Information			TRUE
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Hydrographic Vertical Positioning Information : Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.
<i>allowed values:</i> Always Dry No Information			Always Submerged Other			Awash at Low Water Covers and Uncovers

Relationships: HazardousRock (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
HazardousRock (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
HazardousRock (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
HazardousRock (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
HazardousRock (Point 00) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup 00)
HazardousRock (Point 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
HazardousRock (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
HazardousRock (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
HazardousRock (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature HeatingFacility (Area 00)

New ☐ Heating Facility

A facility for the generation of thermal energy for heating purposes.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AD050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AD050						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Commerce Other			Government Residence			Manufacturing No Information

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
	Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps	Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP)	U.S. Navy U.S. Special Operations Command (USSOCOM)			
	U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)				
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
allowed values:	Brick No Information Steel		Concrete Other Stone			Masonry Prestressed Concrete Wood Metal Reinforced Concrete
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: HeatingFacility (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 HeatingFacility (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 HeatingFacility (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 HeatingFacility (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 HeatingFacility (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 HeatingFacility (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 HeatingFacility (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 HeatingFacility (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 HeatingFacility (Area 00) - is a member of group - Exactly one - UtilityInfrastructureSrf (FeatureGroup 00)

Feature HeatingFacility (Point 00)New ☐ Heating Facility**A facility for the generation of thermal energy for heating purposes.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AD050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AD050						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Commerce Other			Government Residence			Manufacturing No Information
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.

<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> <i>False</i> <i>No Information</i> <i>True</i>						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> <i>Damaged</i> <i>Destroyed</i> <i>Dismantled</i> <i>Intact</i> <i>No Information</i> <i>Ruined</i> <i>Site Preparation</i> <i>Under Construction</i> <i>Unmaintained</i>						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> <i>U</i>						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) <i>No Information</i> Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)						
Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) <i>Other</i> U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)						
Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)						
Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> <i>No Information</i>						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> <i>No Information</i>						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> <i>No Information</i>						

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<u>allowed values:</u> No Information						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<u>allowed values:</u> Brick No Information Steel			Concrete Other Stone	Masonry Prestressed Concrete Wood		Metal Reinforced Concrete
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: HeatingFacility (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 HeatingFacility (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 HeatingFacility (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 HeatingFacility (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 HeatingFacility (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 HeatingFacility (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 HeatingFacility (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 HeatingFacility (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 HeatingFacility (Point 00) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup 00)

Feature Hedgerow (Line 00)New ☐ Hedgerow**A continuous growth of shrubs planted as a fence, a boundary, and/or a windbreak.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	EA020	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> EA020						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.

allowed values: No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values: False			No Information		True	
Predominant Vegetation Height	1	-999999	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the vegetation.
allowed values: -999999						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Hedgerow (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
Hedgerow (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
Hedgerow (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
Hedgerow (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
Hedgerow (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
Hedgerow (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
Hedgerow (Line 00) - is a member of group - Exactly one - VegetationCrv (FeatureGroup 00)

Feature Helipad (Area 00)

New ☐ Helipad

A designated area, usually with a prepared surface, used for the take-off, landing, or parking of helicopters. [Description] This prepared surface could either be located on land or on a platform over water. It may or may not be associated with an aerodrome. For example: a hospital helipad, and an offshore rig helipad.

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

Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i>	-999999					
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i>	Civilian National Public		International No Information State	Joint Military and Civilian Other	Military Private	
Delineation Known	1	No Information	Boolean	Unitless	0	An indication that the delineation (for example: limits and information) of a feature is known.
<i>allowed values:</i>	FALSE		No Information		TRUE	
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i>	No Information Partially Operational		Non-operational Planned	Not in Operation Temporarily Non-operational	Operational	
New Feature Code	1	GB030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i>	GB030					
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i>	No Information					
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i>	-999999					
Helipad Associated Facility	1	No Information	Enumeration	Unitless	0	The type of facility or building that is associated with a freestanding helipad.
<i>allowed values:</i>	Heliport No Information Rig		Hospital Non-hospital Building Water Aerodrome	Land Aerodrome Offshore Construction	Military Installation Other	
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i>	-999999					
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i>	-999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i>	No Information					
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i>	Damaged No Information Unmaintained		Destroyed Ruined	Dismantled Site Preparation	Intact Under Construction	

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	
	Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)	
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values: -999999						

Relationships: Helipad (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Helipad (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Helipad (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Helipad (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Helipad (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Helipad (Area 00) - is a member of group - Exactly one - AeronauticSrf (FeatureGroup 00)
 Helipad (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)

Feature Helipad (Point 00)New ☐ Helipad

A designated area, usually with a prepared surface, used for the take-off, landing, or parking of helicopters. [Description] This prepared surface could either be located on land or on a platform over water. It may or may not be associated with an aerodrome. For example: a hospital helipad, and an offshore rig helipad.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aerodrome Pavement Information : Aerodrome Movement Area Surface Category	1	No Information	Enumeration	Unitless	0	The level of preparation of the aerodrome movement area surface, as a category. [Description] Common category types may range from natural to completely paved.
<i>allowed values:</i> Completely Paved Partially Paved			Mostly Paved Unpaved			No Information Unprepared Other
Aerodrome Pavement Information : Aerodrome Movement Area Surface Composition	3	No Information	Enumeration	Unitless	0	The type of the predominant material of which a surface of the movement area is composed. [Description] Example surfaces include: asphalt, concrete, or grass.
<i>allowed values:</i> Asphalt Clay Gravel Macadam Other Stone			Asphalt Over Concrete Concrete Ice Membrane Pierced Steel Planking Water			Bituminous Mix Coral Landing Mat No Information Sand Wood Brick Earthen Laterite Non-bituminous Mix Snow
Aerodrome Pavement Information : Aerodrome Movement Area Surface Preparation Method	3	No Information	Enumeration	Unitless	0	The preparation technique(s) applied to a surface composition.
<i>allowed values:</i> Aggregate Seal Coat No Information Rolled			Graded Oiled Rubberized Seal Coat			Grass Other Grooved Porous Friction Course
Aerodrome Pavement Information : Aerodrome Pavement Functional Status	1	No Information	Enumeration	Unitless	0	The functional status of the pavement of an aerodrome movement area. [Description] An aerodrome movement area is that part of an aerodrome to be used for aircraft movement operations, consisting of the manoeuvring area and the apron(s).
<i>allowed values:</i> Fair No Information Unserviceable			Fair Estimated Poor			Good Poor Estimated Good Estimated Under Construction
Aerodrome Surface Status	1	No Information	Enumeration	Unitless	0	The operational status of an aerodrome movement area, as a category. [Description] For example: serviceable, unserviceable, closed, or work-in-progress.
<i>allowed values:</i> Closed Work in Progress			No Information			Open Parked or Disabled Aircraft
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private

Delineation Known	1	No Information	Boolean	Unitless	0	An indication that the delineation (for example: limits and information) of a feature is known.
<i>allowed values:</i> FALSE			No Information			TRUE
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	GB030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> GB030						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Helipad Associated Facility	1	No Information	Enumeration	Unitless	0	The type of facility or building that is associated with a freestanding helipad.
<i>allowed values:</i> Heliport No Information Rig			Hospital Non-hospital Building Water Aerodrome			Land Aerodrome Offshore Construction Military Installation Other
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Helipad (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Helipad (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Helipad (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Helipad (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Helipad (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Helipad (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Helipad (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Helipad (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Helipad (Point 00) - is a member of group - Exactly one - AeronauticPnt (FeatureGroup 00)

Feature Heliport (Area 00)

New ☐ Heliport

An aerodrome intended to be used for the arrival, landing, takeoff or departure of vertical takeoff and landing aircraft/helicopters.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aerodrome Elevation	1	-999999	REAL	Metre	0	The vertical distance above Mean Sea Level (MSL) of the highest point of the landing area.
<i>allowed values:</i> -999999						
Aerodrome Official Name	1	No Information	String	Unitless	80	The primary official name of an aerodrome as designated by an appropriate authority.
<i>allowed values:</i> No Information						
Airfield Symbol Type	1	No Information	Enumeration	Unitless	0	The type of airfield symbol designation.
<i>allowed values:</i> Active Joint (Civilian/Military) Heliport L - Active Civil Heliport (with less than minimum facilities)			H - Active Military Heliport No Information			J - Active Civil Heliport K - Active Military Heliport (with less than minimum facilities) X - Decoy
Airfield Type	1	No Information	Enumeration	Unitless	0	The type of an airfield based on the size and/or paving of its runways.
<i>allowed values:</i> Major No Information			Minor Other			Minor and Hard Minor and Soft
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Delineation Known	1	No Information	Boolean	Unitless	0	An indication that the delineation (for example: limits and information) of a feature is known.
<i>allowed values:</i> FALSE			No Information			TRUE
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	GB035	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> GB035						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
ICAO Location Indicator	1	No Information	String	Unitless	14	The identifier that is assigned to a location in accordance with rules prescribed by the International Civil Aviation Organization (ICAO) in Document 7910. [Description] If available this indicator shall be used as primary for identification.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged Destroyed Dismantled Intact No Information Ruined Site Preparation Under Construction Unmaintained						
Port of Entry	1	No Information	Boolean	Unitless	0	An indication that a facility is a port of entry for customs and immigration purposes.
<i>allowed values:</i> False No Information True						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Army Geographic Centre (Spain) Army Geographic Institute (Portugal) Bundeswehr Geoinformation Office (Germany) Defence Acquisition and Logistics Organization (Denmark) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Defence Imagery and Geospatial Organisation (Australia) Defense Information Security (Italy) General Command of Mapping (Turkey) Geographic Service (Belgium) Geographic Service of the Czech Armed Forces (Czech Republic) Geospatial Information Agency (Latvia) Geospatial Intelligence Organisation (New Zealand) Hellenic Military Geographic Service (Greece) Joint Geography Bureau (France) Mapping and Charting Establishment (Canada) Mapping Service (Hungary) Military Geographic Group (Estonia) Military Geographic Service (Norway) Military Geography Division (Poland) Military Mapping Centre (Lithuania) Military Topographic Directorate (Romania) Military Topographic Service (Bulgaria) National Army Topographic Service (Moldova) No Information Other Swedish Armed Forces (Sweden) Topographic Institute (Slovakia) Topographic Service (Finland) U.S. Africa Command (USAFRICOM) U.S. Air Force U.S. Army U.S. Army Geospatial Center (AGC) U.S. Central Command (USCENTCOM) U.S. Central Intelligence Agency (CIA) U.S. Coast Guard U.S. Defense Intelligence Agency (DIA) U.S. Department of Energy (DOE) U.S. Department of Homeland Security (DHS) U.S. Department of State U.S. European Command (USEUCOM) U.S. Federal Bureau of Investigation (FBI) U.S. Geological Survey (USGS) U.S. Joint Forces Command (USJFCOM) U.S. Marine Corps U.S. National Civil Applications Program (NCAP) U.S. National Geospatial-Intelligence Agency (NGA) U.S. National Oceanic and Atmospheric Administration U.S. National Reconnaissance Office (NRO) U.S. National Security Agency (NSA) U.S. Navy U.S. Northern Command (USNORTHCOM) U.S. Pacific Command (PACOM) U.S. Southern Command (USSOUTHCOM) U.S. Special Operations Command (USSOCOM) U.S. Strategic Command (USSTRATCOM) U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Heliport (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
Heliport (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
Heliport (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
Heliport (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
Heliport (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
Heliport (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
Heliport (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
Heliport (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
Heliport (Area 00) - is a member of group - Exactly one - AeronauticSrf (FeatureGroup 00)

Feature Heliport (Point 00)

New ☐ Heliport

An aerodrome intended to be used for the arrival, landing, takeoff or departure of vertical takeoff and landing aircraft/helicopters.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aerodrome Elevation	1	-999999	REAL	Metre	0	The vertical distance above Mean Sea Level (MSL) of the highest point of the landing area.
allowed values: -999999						
Aerodrome Official Name	1	No Information	String	Unitless	80	The primary official name of an aerodrome as designated by an appropriate authority.
allowed values: No Information						
Airfield Symbol Type	1	No Information	Enumeration	Unitless	0	The type of airfield symbol designation.
allowed values: Active Joint (Civilian/Military) Heliport L - Active Civil Heliport (with less than minimum facilities)			H - Active Military Heliport No Information			J - Active Civil Heliport K - Active Military Heliport (with less than minimum facilities) X - Decoy
Airfield Type	1	No Information	Enumeration	Unitless	0	The type of an airfield based on the size and/or paving of its runways.
allowed values: Major No Information			Minor Other			Minor and Hard Minor and Soft
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
allowed values: Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Delineation Known	1	No Information	Boolean	Unitless	0	An indication that the delineation (for example: limits and information) of a feature is known.
allowed values: FALSE			No Information			TRUE
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a facility, as a whole.

		<i>allowed values:</i> No Information <i>Partially Operational</i>	Non-operational Planned		Not in Operation Temporarily Non-operational		<i>Operational</i>
New	Feature Code	1	GB035	CONSTRAINED_ STRING	Unitless	5	Feature Code
		<i>allowed values:</i> <i>GB035</i>					
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
		<i>allowed values:</i> No Information					
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
		<i>allowed values:</i> <i>-999999</i>					
	ICAO Location Indicator	1	No Information	String	Unitless	14	The identifier that is assigned to a location in accordance with rules prescribed by the International Civil Aviation Organization (ICAO) in Document 7910. [Description] If available this indicator shall be used as primary for identification.
		<i>allowed values:</i> No Information					
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
		<i>allowed values:</i> <i>-999999</i>					
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
		<i>allowed values:</i> No Information					
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
		<i>allowed values:</i> No Information					
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
		<i>allowed values:</i> <i>Damaged</i> No Information <i>Unmaintained</i>	<i>Destroyed</i> <i>Ruined</i>		<i>Dismantled</i> <i>Site Preparation</i>		<i>Intact</i> <i>Under Construction</i>
	Port of Entry	1	No Information	Boolean	Unitless	0	An indication that a facility is a port of entry for customs and immigration purposes.
		<i>allowed values:</i> <i>False</i>	No Information		<i>True</i>		
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
		<i>allowed values:</i> <i>U</i>					
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Heliport (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
Heliport (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
Heliport (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
Heliport (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
Heliport (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
Heliport (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
Heliport (Point 00) - is a member of group - Exactly one - AeronauticPnt (FeatureGroup 00)
Heliport (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
Heliport (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature HoldingPen (Area 00)

New ☐ Holding Pen

An enclosed tract on which livestock are temporarily kept. [Description] For example, a sheepfold, a holding paddock, a livestock pen, a feedlot, and/or a stock yard. The enclosure may be by, for example, a fence or a wall.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AJ030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AJ030						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
allowed values: U							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values: No Information							
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values: No Information							
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values: No Information							
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values: No Information							
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	
allowed values: -999999							

Relationships: HoldingPen (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 HoldingPen (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 HoldingPen (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 HoldingPen (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 HoldingPen (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 HoldingPen (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 HoldingPen (Area 00) - is a member of group - Exactly one - AgricultureSrf (FeatureGroup 00)

Feature HoldingPen (Point 00)New ☐ Holding Pen

An enclosed tract on which livestock are temporarily kept. [Description] For example, a sheepfold, a holding paddock, a livestock pen, a feedlot, and/or a stock yard. The enclosure may be by, for example, a fence or a wall.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AJ030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AJ030						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.

allowed values: <i>False</i>			No Information			<i>True</i>	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.	
allowed values: <i>Damaged</i> No Information <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>			<i>Dismantled</i> <i>Site Preparation</i> <i>Intact</i> <i>Under Construction</i>	
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
allowed values: <i>U</i>							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values: No Information							
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values: No Information							
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values: No Information							
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values: No Information							

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: HoldingPen (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 HoldingPen (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 HoldingPen (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 HoldingPen (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 HoldingPen (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 HoldingPen (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 HoldingPen (Point 00) - is a member of group - Exactly one - AgriculturePnt (FeatureGroup 00)
 HoldingPen (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature HopField (Area 00)

New ☐ Hop Field

A tract covered by the systematic planting of hop vines.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Crop Information : Crop Species	1	Hop	Enumeration	Unitless	0	The predominant species of a crop land.
<i>allowed values:</i> Hop						
Crop Information : Farming Pattern	3	No Information	Enumeration	Unitless	0	The general arrangement(s) and/or pattern(s) of farming fields.
<i>allowed values:</i> Intermingled Trees No Information Treeless			Intermingled Woods Other Trellised			Irregular Regular Linear Terraced
New Feature Code	1	EA055	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> EA055						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Crop Information : Irrigation Method	1	No Information	Enumeration	Unitless	0	The method used to supply crops with water.
<i>allowed values:</i> Center Pivot Other			Furrow Overhead			Linear Move No Information

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values: False						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: No Information						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values: U						
Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)						
Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)						
Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)						
Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Vegetation Trafficability Impact	1	[-999999, -999999]	Real_Interval	Percent		The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
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allowed values: [-999999, -999999]

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: HopField (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
HopField (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
HopField (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
HopField (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
HopField (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
HopField (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
HopField (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
HopField (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
HopField (Area 00) - is a member of group - Exactly one - AgricultureSrf (FeatureGroup 00)

Feature Hopper (Point 00)

New ☐ Hopper

A top-loaded funnel-shaped structure for temporary holding of loose material which will be dispensed from its bottom.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<u>allowed values:</u> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AF080	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AF080						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
U.S. Northern Command (USNORTHCOM)						
U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.

allowed values: No Information

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
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allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Hopper (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Hopper (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Hopper (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Hopper (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Hopper (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Hopper (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Hopper (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Hopper (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Hopper (Point 00) - is a member of group - Exactly one - IndustryPnt (FeatureGroup 00)

Feature Hulk (Point 00)New ☐ Hulk**A permanently moored vessel that is no longer seaworthy.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<u>allowed values:</u> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BD181	CONSTRAINED_STRING	Unitless	5	Feature Code

allowed values: BD181

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: Hulk (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Hulk (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Hulk (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Hulk (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Hulk (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Hulk (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Hulk (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Hulk (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Hulk (Point 00) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup 00)

Feature Hummock (Area 00)New ☐ Hummock**A place of higher elevation within a wetland (for example: a swamp, a bog, or a marsh).**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Feature Code	1	BH077	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH077						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Vegetation Trafficability Impact	1	[-999999, -999999]	Real_Interval	Percent		The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
allowed values: [-999999, -999999]						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Hummock (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Hummock (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Hummock (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Hummock (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Hummock (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Hummock (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Hummock (Area 00) - is a member of group - Exactly one - VegetationSrf (FeatureGroup 00)

Feature Hut (Area 00)

New ☐ Hut

A small, simple free-standing (detached) self-contained residence usually having only a single multi-function room. [Description] May be intended only as temporary (for example: by displaced persons) or seasonal (for example: during seasonal livestock movement) residence. May be crude (for example: quickly built from locally-available natural materials) or relatively modern in construction and austere furnished (for example: a Norwegian 'hytte').

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AL099	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL099						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Agriculture Meeting Place Raising of Animals Vacation Cottage			Emergency Operations No Information Refugee Shelter Weather Station			Emergency Shelter Observation Station Religious Activities Leprosy Care Other Residence
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Hut (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Hut (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Hut (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Hut (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Hut (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Hut (Area 00) - is a member of group - Exactly one - StructureSrf (FeatureGroup 00)

Feature Hut (Point 00)

New ☐ Hut

A small, simple free-standing (detached) self-contained residence usually having only a single multi-function room. [Description] May be intended only as temporary (for example: by displaced persons) or seasonal (for example: during seasonal livestock movement) residence. May be crude (for example: quickly built from locally-available natural materials) or relatively modern in construction and austere furnished (for example: a Norwegian 'hytte').

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AL099	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL099						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Agriculture Meeting Place Raising of Animals Vacation Cottage			Emergency Operations No Information Refugee Shelter Weather Station			Emergency Shelter Observation Station Religious Activities Leprosy Care Other Residence
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.

allowed values: -999999

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values: False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
allowed values: Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.

allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Hut (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Hut (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Hut (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Hut (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Hut (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Hut (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Hut (Point 00) - is a member of group - Exactly one - StructurePnt (FeatureGroup 00)
 Hut (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature HydrocarbonProdFacility (Area 00)New ☐ Hydrocarbon Products Facility**A facility involved in the production or distribution of petroleum, oil and/or natural gas products.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<u>allowed values:</u> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AC040	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AC040						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<u>allowed values:</u> Gas Oil Separation Pipeline Transport			No Information Terminal			Other Transfer Hub Petroleum Refining
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Asphalt Gas Non-solid Hydrocarbon Fuel Petroleum			Biodiesel Liquefied Natural Gas (LNG) Other Petroleum and/or Natural Gas		Chemical Liquefied Petroleum Gas (LPG) Petrochemical Plastic	Fertilizer No Information Petrol
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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HydrocarbonProdFacility (Area 00)

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

- Relationships:** HydrocarbonProdFacility (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
HydrocarbonProdFacility (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
HydrocarbonProdFacility (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
HydrocarbonProdFacility (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
HydrocarbonProdFacility (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
HydrocarbonProdFacility (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
HydrocarbonProdFacility (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
HydrocarbonProdFacility (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
HydrocarbonProdFacility (Area 00) - is a member of group - Exactly one - IndustrySrf (FeatureGroup 00)

Feature HydrocarbonProdFacility (Point 00)

New ☐ Hydrocarbon Products Facility

A facility involved in the production or distribution of petroleum, oil and/or natural gas products.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AC040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AC040						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Gas Oil Separation Pipeline Transport			No Information Terminal			Other Transfer Hub Petroleum Refining
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.

allowed values:	<i>Damaged</i> No Information <i>Unmaintained</i>		<i>Destroyed</i> <i>Ruined</i>		<i>Dismantled</i> <i>Site Preparation</i>		<i>Intact</i> <i>Under Construction</i>
Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.	
allowed values:	Asphalt Gas Non-solid Hydrocarbon Fuel Petroleum		Biodiesel Liquefied Natural Gas (LNG) <i>Other</i> Petroleum and/or Natural Gas		Chemical Liquefied Petroleum Gas (LPG) Petrochemical Plastic		Fertilizer <i>No Information</i> Petrol
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
allowed values:	<i>U</i>						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) <i>No Information</i> Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) <i>Other</i> U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	<i>No Information</i>						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	<i>No Information</i>						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:	<i>No Information</i>						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values:	<i>No Information</i>						

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: HydrocarbonProdFacility (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 HydrocarbonProdFacility (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 HydrocarbonProdFacility (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 HydrocarbonProdFacility (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 HydrocarbonProdFacility (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 HydrocarbonProdFacility (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 HydrocarbonProdFacility (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 HydrocarbonProdFacility (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 HydrocarbonProdFacility (Point 00) - is a member of group - Exactly one - IndustryPnt (FeatureGroup 00)

Feature HydrocarbonsField (Area 00)

New ☐ Hydrocarbons Field

An area where the presence of recoverable petroleum, oil, and/or natural gas has been identified. [Description] The field can exist regardless of current exploitation activities.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
New Feature Code	1	AA052	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: AA052						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values: No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
allowed values: Gas			No Information			Other Petroleum
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.

allowed values: U

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: HydrocarbonsField (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 HydrocarbonsField (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 HydrocarbonsField (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 HydrocarbonsField (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 HydrocarbonsField (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 HydrocarbonsField (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 HydrocarbonsField (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 HydrocarbonsField (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 HydrocarbonsField (Area 00) - is a member of group - Exactly one - IndustrySrf (FeatureGroup 00)

Feature HydrocarbonsField (Point 00)New ☐ Hydrocarbons Field

An area where the presence of recoverable petroleum, oil, and/or natural gas has been identified. [Description] The field can exist regardless of current exploitation activities.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Feature Code	1	AA052	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AA052						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Gas			No Information			Other Petroleum
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: HydrocarbonsField (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 HydrocarbonsField (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 HydrocarbonsField (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 HydrocarbonsField (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 HydrocarbonsField (Point 00) - is a member of group - Exactly one - IndustryPnt (FeatureGroup 00)
 HydrocarbonsField (Point 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 HydrocarbonsField (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature IceCap (Area 00)

New ☐ Ice-cap

A permanent layer of ice covering a tract of land (especially a polar region) or the top of a mountain. [Description] Usually includes a surface layer of snow.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	BJ099	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BJ099						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Land Morphology	1	No Information	Enumeration	Unitless	0	The shape and/or configuration of the land surface as a whole or in a localized area.
<u>allowed values:</u> Depression Ridge			Dome			No Information Other
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Terrain Morphology	1	No Information	Enumeration	Unitless	0	The type of terrain morphology based on composition and/or configuration. [Description] Terrain morphology influences military operations such as mobility prediction, mining of construction materials, and identification of potential landing sites.
allowed values:	No Effect Other		No Information Rugged with numerous Rock Outcrops			Numerous Crevasses Numerous Rock Outcrops
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: IceCap (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 IceCap (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 IceCap (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 IceCap (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 IceCap (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 IceCap (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 IceCap (Area 00) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup 00)

Feature IceCliff (Line 00)New ☐ Ice Cliff**The vertical face of a glacier or ice shelf.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Feature Code	1	BJ040	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BJ040						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Predominant Feature Height	1	-999999	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).
<u>allowed values:</u> -999999						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values: <div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: IceCliff (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
IceCliff (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
IceCliff (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
IceCliff (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
IceCliff (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
IceCliff (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
IceCliff (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
IceCliff (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
IceCliff (Line 00) - is a member of group - Exactly one - PhysiographyCrv (FeatureGroup 00)

Feature IcePeak (Point 00)

New ☐ Ice Peak

A rocky peak projecting above a surrounding ice field that may be perpetually covered with ice.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
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Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	BJ060	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BJ060						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False			No Information			True
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)		Army Geographic Centre (Spain)		Army Geographic Institute (Portugal)		Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)		Defence Geographic Centre Intelligence Collection Group (United Kingdom)		Defence Imagery and Geospatial Organisation (Australia)		Defense Information Security (Italy)
	General Command of Mapping (Turkey)		Geographic Service (Belgium)		Geographic Service of the Czech Armed Forces (Czech Republic)		Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)		Hellenic Military Geographic Service (Greece)		Joint Geography Bureau (France)		Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)		Military Geographic Group (Estonia)		Military Geographic Service (Norway)		Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)		Military Topographic Directorate (Romania)		Military Topographic Service (Bulgaria)		National Army Topographic Service (Moldova)
	No Information		Other		Swedish Armed Forces (Sweden)		Topographic Institute (Slovakia)
	Topographic Service (Finland)		U.S. Africa Command (USAFRICOM)		U.S. Air Force		U.S. Army
	U.S. Army Geospatial Center (AGC)		U.S. Central Command (USCENTCOM)		U.S. Central Intelligence Agency (CIA)		U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)		U.S. Department of Energy (DOE)		U.S. Department of Homeland Security (DHS)		U.S. Department of State
U.S. European Command (USEUCOM)		U.S. Federal Bureau of Investigation (FBI)		U.S. Geological Survey (USGS)		U.S. Joint Forces Command (USJFCOM)	
U.S. Marine Corps		U.S. National Civil Applications Program (NCAP)		U.S. National Geospatial-Intelligence Agency (NGA)		U.S. National Oceanic and Atmospheric Administration	
U.S. National Reconnaissance Office (NRO)		U.S. National Security Agency (NSA)		U.S. Navy		U.S. Northern Command (USNORTHCOM)	
U.S. Pacific Command (PACOM)		U.S. Southern Command (USSOUTHCOM)		U.S. Special Operations Command (USSOCOM)		U.S. Strategic Command (USSTRATCOM)	
U.S. Transportation Command (USTRANSCOM)							
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:	No Information						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.	
allowed values:	Frozen Water Sand		No Information Soil			Other	Rock
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values:	No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	
allowed values:	-999999						

Relationships: IcePeak (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 IcePeak (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 IcePeak (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 IcePeak (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 IcePeak (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 IcePeak (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 IcePeak (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 IcePeak (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 IcePeak (Point 00) - is a member of group - Exactly one - PhysiographyPnt (FeatureGroup 00)

Feature IceRoute (Line 00) New ☐ Ice Route

A route over a frozen watercourse. [Description] Usually marked and intended to support substantial vehicle traffic. Often designed as an alternate to a seasonally-closed ferry crossing.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AQ075	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ075						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
	Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps	Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP)	U.S. Navy U.S. Special Operations Command (USSOCOM)			
	U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)				
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
allowed values:	No Information		Other			Pedestrian Railway
	Road					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: IceRoute (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 IceRoute (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 IceRoute (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 IceRoute (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 IceRoute (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 IceRoute (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 IceRoute (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 IceRoute (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 IceRoute (Line 00) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup 00)

Feature IceShelf (Area 00)New ☐ Ice Shelf

A floating ice sheet of considerable thickness that is normally attached to the land along its landward edge. [Description] Ice shelves are the seaward extension of land glaciers. Limited areas of the ice shelf may be aground where the glacier first enters the water and possibly in other places offshore. Ice shelves are usually of great horizontal extent and have a level or gently undulating surface. The seaward edge of an ice shelf is termed an 'ice cliff'.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	BJ065	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BJ065						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: IceShelf (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
IceShelf (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
IceShelf (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
IceShelf (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
IceShelf (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
IceShelf (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
IceShelf (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
IceShelf (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
IceShelf (Area 00) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup 00)

Feature IndustrialFarm (Area 00)

New ☐ Industrial Farm

An estate or large farm operating on the plantation economy model in which the farm operates as a single economic unit whose operations are based on agricultural mass production of a few staple crops (for example: cotton, tobacco, sugar cane, bananas, and/or rubber) that are typically not indigenous to the region. [Description] Plantation economies are often dependent on distant (for example: export) markets as the crops are harvested in large quantities. Historically, industrial farms were often found in former European colonies and termed 'plantations'.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Canopy Cover	1	-999999	REAL	Percent	0	The fraction of canopy cover within a defined area during the season of maximum foliage. [Description] The canopy is formed by the upper branches of the trees in a forest forming a more or less continuous layer.
<i>allowed values:</i> -999999						
Crop Information : Crop Species	3	No Information	Enumeration	Unitless	0	The predominant species of a crop land.
<i>allowed values:</i> Bamboo Coffee Oil Crop Sugar Cane Tobacco			Banana Cork-Oak Oil Palm Sugar Crop			Cacao Cotton Other Tea Coconut No Information Rubber Timber
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
Crop Information : Farming Method	3	No Information	Enumeration	Unitless	0	The agricultural practice(s) in use within an agro-ecosystem.
<i>allowed values:</i> Fallow Permanent			Grazing Permanent Irrigation			No Information Slash and Burn Other
Crop Information : Farming Pattern	3	No Information	Enumeration	Unitless	0	The general arrangement(s) and/or pattern(s) of farming fields.
<i>allowed values:</i> Intermingled Trees No Information Treeless			Intermingled Woods Other Trellised			Irregular Regular Linear Terraced
New Feature Code	1	AL270	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL270						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Emergency Operations No Information			Growing of Crops Other			Meeting Place Mixed Farming
Foliage Type	1	No Information	Enumeration	Unitless	0	The predominant foliage type of the vegetation.
<i>allowed values:</i> Deciduous Other			Evergreen			Mixed No Information
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Predominant Vegetation Height	1	-999999	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the vegetation.
<i>allowed values:</i> -999999						
Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Coffee Fish Milk Olive Oil Salt Vegetation Product			Consumer Goods Food Milled Grain Other Sugar Wine		Cotton Fruit No Information Rice Textile	Desalinated Water Lumber No Product Rubber Tobacco
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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IndustrialFarm (Area 00)

allowed values:	Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)		Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)		Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)			Geographic Service (Belgium)		Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)		Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)			Military Geographic Group (Estonia)		Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)		Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information			Other		Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)		U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)		U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)		U.S. Department of Homeland Security (DHS)	U.S. Department of State
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)		U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)	
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)		U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration	
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)		U.S. Navy	U.S. Northern Command (USNORTHCOM)	
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)		U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)	
U.S. Transportation Command (USTRANSCOM)							
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information							
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information							
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information							
Stem Diameter		1	[-999999, -999999]	REAL_Interval	Metre	0	The average diameter of the tree trunks in an area, measured at a height of approximately 1.5 metres or 4.5 feet on the high side (if on a hillside) above the surface of the ground. [Description] Commonly referred to as the 'diameter at breast height' (dbh). For trees up to 2 metres high, the stem diameter is measured at the mid-point between the ground and the stem tip.
allowed values: [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval				Closed Interval Greater-than-or-equal to Less-than Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval	Greater-than Semi-interval Less-than Semi-interval
Tree Spacing		1	[-999999, -999999]	REAL_Interval	Metre	0	The average tree spacing between trees in a stand, determined from centre to centre of adjacent trees.
allowed values: [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval				Closed Interval Greater-than-or-equal to Less-than Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval	Greater-than Semi-interval Less-than Semi-interval
Undergrowth Density		1	[-999999, -999999]	REAL_Interval	Percent	0	The fraction of land within a defined area that is covered by undergrowth (for example: scrub, brush, and/or bush).
allowed values: [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval				Closed Interval Greater-than-or-equal to Less-than Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval	Greater-than Semi-interval Less-than Semi-interval
Unique Entity Identifier		1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information							
Vegetation Species		3	No Information	Enumeration	Unitless	0	The predominant species of a tract of vegetation.
allowed values: Bamboo Other				Cypress Palm		Nipa	No Information

Vegetation Trafficability Impact	1	[-999999, -999999]	Real_Interval	Percent		The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
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allowed values: [-999999, -999999]

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: IndustrialFarm (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 IndustrialFarm (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 IndustrialFarm (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 IndustrialFarm (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 IndustrialFarm (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 IndustrialFarm (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 IndustrialFarm (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 IndustrialFarm (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 IndustrialFarm (Area 00) - is a member of group - Exactly one - AgricultureSrf (FeatureGroup 00)

Feature IndustrialFarm (Point 00)

New ☐ Industrial Farm

An estate or large farm operating on the plantation economy model in which the farm operates as a single economic unit whose operations are based on agricultural mass production of a few staple crops (for example: cotton, tobacco, sugar cane, bananas, and/or rubber) that are typically not indigenous to the region. [Description] Plantation economies are often dependent on distant (for example: export) markets as the crops are harvested in large quantities. Historically, industrial farms were often found in former European colonies and termed 'plantations'.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
allowed values: No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Canopy Cover	1	-999999	REAL	Percent	0	The fraction of canopy cover within a defined area during the season of maximum foliage. [Description] The canopy is formed by the upper branches of the trees in a forest forming a more or less continuous layer.
allowed values: -999999						
Crop Information : Crop Species	3	No Information	Enumeration	Unitless	0	The predominant species of a crop land.
allowed values: Bamboo Coffee Oil Crop Sugar Cane Tobacco			Banana Cork-Oak Oil Palm Sugar Crop			Cacao Coconut Cotton No Information Rubber Timber
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
Crop Information : Farming Method	3	No Information	Enumeration	Unitless	0	The agricultural practice(s) in use within an agro-ecosystem.
allowed values: Fallow Permanent			Grazing Permanent Irrigation			No Information Slash and Burn Other
Crop Information : Farming Pattern	3	No Information	Enumeration	Unitless	0	The general arrangement(s) and/or pattern(s) of farming fields.

	<i>allowed values:</i>	Intermingled Trees No Information Treeless	Intermingled Woods Other Trellised	Irregular Regular	Linear Terraced		
New	Feature Code	1	AL270	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<i>allowed values:</i>	AL270					
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i>	Emergency Operations No Information		Growing of Crops Other		Meeting Place	Mixed Farming
	Foliage Type	1	No Information	Enumeration	Unitless	0	The predominant foliage type of the vegetation.
	<i>allowed values:</i>	Deciduous Other		Evergreen		Mixed	No Information
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i>	No Information					
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i>	-999999					
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i>	-999999					
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i>	-999999					
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i>	No Information					
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i>	No Information					
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i>	False		No Information		True	
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<i>allowed values:</i>	Damaged No Information Unmaintained		Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
	Predominant Vegetation Height	1	-999999	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the vegetation.
	<i>allowed values:</i>	-999999					
	Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.

allowed values:	Coffee Fish Milk Olive Oil Salt Vegetation Product	Consumer Goods Food Milled Grain Other Sugar Wine	Cotton Fruit No Information Rice Textile	Desalinated Water Lumber No Product Rubber Tobacco		
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values:	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Stem Diameter	1	[-999999, -999999]	REAL_Interval	Metre	0	The average diameter of the tree trunks in an area, measured at a height of approximately 1.5 metres or 4.5 feet on the high side (if on a hillside) above the surface of the ground. [Description] Commonly referred to as the 'diameter at breast height' (dbh). For trees up to 2 metres high, the stem diameter is measured at the mid-point between the ground and the stem tip.
allowed values:	[-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval		Closed Interval Greater-than-or-equal to Less-than Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval	
Tree Spacing	1	[-999999, -999999]	REAL_Interval	Metre	0	The average tree spacing between trees in a stand, determined from centre to centre of adjacent trees.
allowed values:	[-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval		Closed Interval Greater-than-or-equal to Less-than Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval	

Undergrowth Density	1	[-999999, -999999]	REAL_Interval	Percent	0	The fraction of land within a defined area that is covered by undergrowth (for example: scrub, brush, and/or bush).
<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval						
			Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vegetation Species	3	No Information	Enumeration	Unitless	0	The predominant species of a tract of vegetation.
<i>allowed values:</i> Bamboo Cypress Palm Nipa No Information						
Vegetation Trafficability Impact	1	[-999999, -999999]	Real_Interval	Percent		The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
<i>allowed values:</i> [-999999, -999999]						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: IndustrialFarm (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 IndustrialFarm (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 IndustrialFarm (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 IndustrialFarm (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 IndustrialFarm (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 IndustrialFarm (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 IndustrialFarm (Point 00) - is a member of group - Exactly one - AgriculturePnt (FeatureGroup 00)

Feature IndustrialFurnace (Area 00)New ☐ Industrial Furnace

A structure used in material processing that employs heating to harden (for example: to fire brick or ceramic), pyrolyse (for example: convert coal to coke, or limestone to lime), burn (for example: to incinerate waste), or dry (for example: lumber). [Description] May assume many forms, for example a domed 'beehive' kiln or a long linear coke oven battery.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational						
New Feature Code	1	AC060	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AC060						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Brick Lumber			Cement No Information			Charcoal Other Lime Pottery
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			
Restriction Information : Security Attributes Group (resource non-intelligence community markings)				
allowed values:	No Information			
Restriction Information : Security Attributes Group (resource owner-producer)				
allowed values:	No Information			
Specified Domain Values(s)				
allowed values:	No Information			
Unique Entity Identifier				
allowed values:	No Information			
Width				

allowed values: -999999

Relationships: IndustrialFurnace (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 IndustrialFurnace (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 IndustrialFurnace (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 IndustrialFurnace (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 IndustrialFurnace (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 IndustrialFurnace (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 IndustrialFurnace (Area 00) - is a member of group - Exactly one - IndustrySrf (FeatureGroup 00)

Feature IndustrialFurnace (Point 00)

New ☐ Industrial Furnace

A structure used in material processing that employs heating to harden (for example: to fire brick or ceramic), pyrolyse (for example: convert coal to coke, or limestone to lime), burn (for example: to incinerate waste), or dry (for example: lumber). [Description] May assume many forms, for example a domed 'beehive' kiln or a long linear coke oven battery.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AC060	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AC060						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.

allowed values: Brick Lumber			Cement No Information			Charcoal Other	Lime Pottery
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
allowed values: U							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values: Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)			Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values: No Information							
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values: No Information							
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values: No Information							
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values: No Information							
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	
allowed values: -999999							

Relationships: IndustrialFurnace (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 IndustrialFurnace (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 IndustrialFurnace (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 IndustrialFurnace (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 IndustrialFurnace (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 IndustrialFurnace (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 IndustrialFurnace (Point 00) - is a member of group - Exactly one - IndustryPnt (FeatureGroup 00)

Feature InlandWaterbody (Area 00)New ☐ Inland Waterbody

A body of water that is entirely surrounded by land. [Description] It may occur in a natural terrain depression in which water collects, or may be impounded by a dam, or formed by its bed being hollowed out of the soil, or formed by embanking and/or damming up a natural hollow (for example: by a beaver dam). Inland waterbodies have many uses such as: a source of water for irrigation, industrial processes, human consumption, and recreation. Impounded inland waterbodies may also be used for flood control.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Inland Waterbody Bank (2) : Above Water Bank Slope (second bank)	1	-999999	REAL	Percent	0	The amount of upward inclination between the horizontal surface of the mean water level of a watercourse where it touches the bank and the top of the first usable break in slope, measured at the same point on the upper bank as the military gap width. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: $((h2-h1)/d)*100$.
<i>allowed values:</i> -999999						
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999						
Average Water Depth	1	-999999	REAL	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> -999999						
Inland Waterbody Bank (2) : Bank Orientation (second bank)	1	No Information	Enumeration	Unitless	0	The relative orientation of a bank of an inland waterbody based on the direction of predominant water flow in the adjacent waterbody.
<i>allowed values:</i> Indeterminate Other			Left Right			No Flow No Information
<i>allowed values:</i> Indeterminate Other			Left Right			No Flow No Information
New Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999						
New Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless		The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
New Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN ⁻ . These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999						

	Dammed	1	No Information	Boolean	Unitless	0	An indication that a body of water is impounded by a dam.
	<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
New	Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
	<i>allowed values:</i> <i>-999999</i>						
	Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
	<i>allowed values:</i> <i>No Information</i> <i>Partially Operational</i>			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New	Feature Code	1	BH082	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> <i>BH082</i>						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> <i>Commerce</i> <i>Recreation</i>			Navigation Utilities			No Information Other
	Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> <i>No Information</i>						
	Geographic Name Type	3	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> <i>Conventional</i> <i>Other</i>			Historical Transliterated Provisional			Native Transliterated Unverified Transliterated No Information Variant Transliterated
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> <i>-999999</i>						
	Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<i>allowed values:</i> <i>Dry</i>			Intermittent			No Information Perennial
	Inland Water Type	1	No Information	Enumeration	Unitless	0	The type of an inland water based on its principal characteristics.
	<i>allowed values:</i> <i>Basin</i> <i>Other</i> <i>Water-hole</i>			Lake Pond			Landlocked Sea Reservoir No Information Undifferentiated Water Body
	Inundation Type	1	No Information	Enumeration	Unitless		The type of an inundation based on the cause of the flooding.
	<i>allowed values:</i> <i>Controlled</i>			Natural			No Information
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> <i>-999999</i>						
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<i>allowed values:</i> <i>-999999</i>						
	Man-made	1	No Information	Boolean	Unitless	0	An indication that a feature is man-made.
	<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
	Man-made Shoreline	1	No Information	Boolean	Unitless	0	An indication that a body of water is completely surrounded by a man-made shoreline.
	<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Water Resource Information : pH of Water	1	-999999	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Predominant Maximum Water Depth	1	[-999999,-999999]	REAL_INTERVAL	Metre		The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999,-999999]						
Predominant Minimum Water Depth	1	[-999999,-999999]	REAL_INTERVAL	Metre		The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999,-999999]						
Predominant Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999, -999999]			No Information			
Inland Waterbody Bank (1) : Predominant Waterbody Bank Height (first bank)	1	[-999999, -999999]	REAL_Interval	Metre	0	The predominant height (the height of at least 50 percent) of the bank, measured from mean water level to the first break in slope above the mean water level.
<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval
<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval
Inland Waterbody Bank (1) : Predominant Waterbody Bank Slope (first bank)	1	[-999999, -999999]	REAL_Interval	Percent	0	The predominant slope (the slope of at least 50 percent) of the bank, measured from mean water level to the first accessible break in slope above the mean water level. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval
<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval
New Water Resource Information : Reservoir Type	1	No Information	Enumeration	Unitless	0	Indicates the method of containing the water in a reservoir.
<i>allowed values:</i> Back-up Water Impounded by a Dam			Constructed Basin			No Information Other
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.

allowed values: <i>U</i>						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	Army Geographic Agency (Netherlands)		Army Geographic Centre (Spain)		Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)		Defence Geographic Centre Intelligence Collection Group (United Kingdom)		Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)		Geographic Service (Belgium)		Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)		Hellenic Military Geographic Service (Greece)		Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)		Military Geographic Group (Estonia)		Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)		Military Topographic Directorate (Romania)		Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	<i>No Information</i>		<i>Other</i>		Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)		U.S. Africa Command (USAFRICOM)		U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)		U.S. Central Command (USCENTCOM)		U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)		U.S. Department of Energy (DOE)		U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)		U.S. Federal Bureau of Investigation (FBI)		U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps		U.S. National Civil Applications Program (NCAP)		U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)		U.S. National Security Agency (NSA)		U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)		U.S. Southern Command (USSOUTHCOM)		U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: <i>No Information</i>						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: <i>No Information</i>						
Inland Waterbody Bank (1) : Shoreline Delineated (first bank)	1	No Information	Boolean	Unitless	0	An indication that the delineation of a shoreline is definite. [Description] The delineation of the shoreline along a beach is typically definite whereas along a mangrove swamp it is typically indefinite.
allowed values: <i>False</i>			<i>No Information</i>		<i>True</i>	
allowed values: <i>False</i>			<i>No Information</i>		<i>True</i>	
Inland Waterbody Bank (1) : Shoreline Type (first bank)	1	No Information	Enumeration	Unitless	0	The physical characteristics of a shoreline.
allowed values:	Building Rubble		Erosion Rubble		Ice	Mangrove
	Marshy		Mud		<i>No Information</i>	<i>Other</i>
	Sandy		Shingly		Stony	
allowed values:	Building Rubble		Erosion Rubble		Ice	Mangrove
	Marshy		Mud		<i>No Information</i>	<i>Other</i>
	Sandy		Shingly		Stony	
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: <i>No Information</i>						
<i>New</i> Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
allowed values: <i>-999999</i>						
<i>New</i> Water Resource Information : Temperature	1	-999999	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
allowed values: <i>-999999</i>						
Tide Influenced	1	No Information	Boolean	Unitless	0	An indication that a waterbody is affected by the tide.

	<i>allowed values:</i> False		No Information		True		
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<i>allowed values:</i> -999999						
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<i>allowed values:</i> No Information						
	Volume	1	-999999	REAL	Cubic Metre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	0	The electrical conductivity of water.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<i>allowed values:</i> -999999						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
	<i>allowed values:</i> <div>Contaminated Potable</div>			<div>No Information Treatable</div>			<div>Nonpotable</div> <div>Other</div>
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
	<i>allowed values:</i> <div>Alkaline Mineral Seawater</div>			<div>Brackish No Information</div>			<div>Brine</div> <div>Not Applicable</div> <div>Fresh Saline</div>
New	Water Resource Information : Water Use	3	No Information	Enumeration	Unitless		The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.
	<i>allowed values:</i> <div>Agricultural Irrigation Institutional Other</div>			<div>Commercial Livestock Power Generation</div>			<div>Domestic Irrigation Municipal Recreational</div> <div>Industrial</div> <div>No Information</div> <div>Sanitary Domestic</div>
	Inland Waterbody Bank (2) : Waterbody Bank Height (second bank)	1	-999999	REAL	Metre	0	The height of the waterbody bank above the average water level.
	<i>allowed values:</i> -999999						
	<i>allowed values:</i> -999999						
	Inland Waterbody Bank (1) : Waterbody Bank Vegetation Cover (first bank)	1	[-999999, -999999]	REAL_Interval	Percent	0	The fraction of vegetation cover on the bank of a watercourse.
	<i>allowed values:</i> <div>[-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval</div>			<div>Closed Interval Greater-than-or-equal to Less-than Interval</div>			<div>Greater-than or Equal Semi-interval Less-than or Equal Semi-interval</div> <div>Greater-than Semi-interval Less-than Semi-interval</div>
	<i>allowed values:</i> <div>[-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval</div>			<div>Closed Interval Greater-than-or-equal to Less-than Interval</div>			<div>Greater-than or Equal Semi-interval Less-than or Equal Semi-interval</div> <div>Greater-than Semi-interval Less-than Semi-interval</div>

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: InlandWaterbody (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 InlandWaterbody (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 InlandWaterbody (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 InlandWaterbody (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 InlandWaterbody (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 InlandWaterbody (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 InlandWaterbody (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 InlandWaterbody (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 InlandWaterbody (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)

Feature InlandWaterbody (Point 00)

New ☐ Inland Waterbody

A body of water that is entirely surrounded by land. [Description] It may occur in a natural terrain depression in which water collects, or may be impounded by a dam, or formed by its bed being hollowed out of the soil, or formed by embanking and/or damming up a natural hollow (for example: by a beaver dam). Inland waterbodies have many uses such as: a source of water for irrigation, industrial processes, human consumption, and recreation. Impounded inland waterbodies may also be used for flood control.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Inland Waterbody Bank (2) : Above Water Bank Slope (second bank)	1	-999999	REAL	Percent	0	The amount of upward inclination between the horizontal surface of the mean water level of a watercourse where it touches the bank and the top of the first usable break in slope, measured at the same point on the upper bank as the military gap width. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i> -999999						
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999						
Average Water Depth	1	-999999	REAL	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> -999999						
Inland Waterbody Bank (2) : Bank Orientation (second bank)	1	No Information	Enumeration	Unitless	0	The relative orientation of a bank of an inland waterbody based on the direction of predominant water flow in the adjacent waterbody.
<i>allowed values:</i> Indeterminate Other			Left Right			No Flow No Information
<i>allowed values:</i> Indeterminate Other			Left Right			No Flow No Information
New Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999						
New Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999						

	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Military Other Private
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i> -999999						
	Dammed	1	No Information	Boolean	Unitless	0	An indication that a body of water is impounded by a dam.
	<i>allowed values:</i> False			No Information			True
New	Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
	<i>allowed values:</i> -999999						
	Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	BH082	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BH082						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Commerce Recreation			Navigation Utilities			No Information Other
	Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
	Geographic Name Type	3	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Other			Historical Transliterated Provisional			Native Transliterated Unverified Transliterated No Information Variant Transliterated
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999						
	Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<i>allowed values:</i> Dry			Intermittent			No Information Perennial
	Inland Water Type	1	No Information	Enumeration	Unitless	0	The type of an inland water based on its principal characteristics.
	<i>allowed values:</i> Basin Other Water-hole			Lake Pond			Landlocked Sea Reservoir No Information Undifferentiated Water Body
	Inundation Type	1	No Information	Enumeration	Unitless		The type of an inundation based on the cause of the flooding.
	<i>allowed values:</i> Controlled			Natural			No Information
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999						

New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<i>allowed values:</i> -999999						
	Man-made	1	No Information	Boolean	Unitless	0	An indication that a feature is man-made.
	<i>allowed values:</i> False			No Information			True
	Man-made Shoreline	1	No Information	Boolean	Unitless	0	An indication that a body of water is completely surrounded by a man-made shoreline.
	<i>allowed values:</i> False			No Information			True
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
New	Water Resource Information : pH of Water	1	-999999	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<i>allowed values:</i> -999999						
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
	Predominant Maximum Water Depth	1	[-999999,-999999]	REAL_INTERVAL	Metre		The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	<i>allowed values:</i> [-999999,-999999]						
	Predominant Minimum Water Depth	1	[-999999,-999999]	REAL_INTERVAL	Metre		The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	<i>allowed values:</i> [-999999,-999999]						
	Predominant Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	<i>allowed values:</i> [-999999,-999999]			No Information			
	Inland Waterbody Bank (1) : Predominant Waterbody Bank Height (first bank)	1	[-999999, -999999]	REAL_Interval	Metre	0	The predominant height (the height of at least 50 percent) of the bank, measured from mean water level to the first break in slope above the mean water level.
	<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval
	<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval
	Inland Waterbody Bank (1) : Predominant Waterbody Bank Slope (first bank)	1	[-999999, -999999]	REAL_Interval	Percent	0	The predominant slope (the slope of at least 50 percent) of the bank, measured from mean water level to the first accessible break in slope above the mean water level. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
	<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval

	allowed values: [-999999, -999999]																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
	<i>allowed values:</i> No Information						
New	Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Temperature	1	-999999	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
	<i>allowed values:</i> -999999						
	Tide Influenced	1	No Information	Boolean	Unitless	0	An indication that a waterbody is affected by the tide.
	<i>allowed values:</i> False			No Information			True
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<i>allowed values:</i> -999999						
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<i>allowed values:</i> No Information						
	Volume	1	-999999	REAL	Cubic Metre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	0	The electrical conductivity of water.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<i>allowed values:</i> -999999						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
	<i>allowed values:</i> Contaminated Potable			No Information			Nonpotable Other
				Treatable			
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
	<i>allowed values:</i> Alkaline Mineral Seawater			Brackish			Brine Fresh
				No Information			Not Applicable Saline
New	Water Resource Information : Water Use	3	No Information	Enumeration	Unitless		The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.
	<i>allowed values:</i> Agricultural Irrigation Institutional Other			Commercial Livestock Power Generation			Domestic Irrigation Municipal Recreational Industrial No Information Sanitary Domestic

Inland Waterbody Bank (2) : Waterbody Bank Height (second bank)	1	-999999	REAL	Metre	0	The height of the waterbody bank above the average water level.
<i>allowed values:</i> -999999						
<i>allowed values:</i> -999999						
Inland Waterbody Bank (1) : Waterbody Bank Vegetation Cover (first bank)	1	[-999999, -999999]	REAL_Interval	Percent	0	The fraction of vegetation cover on the bank of a watercourse.
<i>allowed values:</i> [-999999, -999999]			<i>Closed Interval</i>			<i>Greater-than or Equal Semi-interval</i>
<i>Greater-than to Less-than-or-equal Interval</i>			<i>Greater-than-or-equal to Less-than Interval</i>			<i>Greater-than Semi-interval</i>
<i>Open Interval</i>						<i>Less-than Semi-interval</i>
<i>allowed values:</i> [-999999, -999999]			<i>Closed Interval</i>			<i>Greater-than or Equal Semi-interval</i>
<i>Greater-than to Less-than-or-equal Interval</i>			<i>Greater-than-or-equal to Less-than Interval</i>			<i>Greater-than Semi-interval</i>
<i>Open Interval</i>						<i>Less-than Semi-interval</i>
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: InlandWaterbody (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 InlandWaterbody (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 InlandWaterbody (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 InlandWaterbody (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 InlandWaterbody (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 InlandWaterbody (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 InlandWaterbody (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 InlandWaterbody (Point 00) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup 00)
 InlandWaterbody (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature Installation (Area 00)

New ☐ Installation

A grouping of facilities, located in the same vicinity, which support particular functions.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information			Non-operational			Not in Operation
<i>Partially Operational</i>			Planned			Temporarily Non-operational
<i>Operational</i>						
New Feature Code	1	AL011	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL011						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values: False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
allowed values: Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.

allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Installation (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Installation (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Installation (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Installation (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Installation (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Installation (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Installation (Area 00) - is a member of group - Exactly one - FacilitySrf (FeatureGroup 00)

Feature Installation (Point 00)New ☐ Installation**A grouping of facilities, located in the same vicinity, which support particular functions.**

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

allowed values: No Information

Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
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allowed values: -999999

Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
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allowed values: No Information

Partially Operational

Non-operational
PlannedNot in Operation
Temporarily Non-operational

Operational

New

Feature Code	1	AL011	CONSTRAINED_STRING	Unitless	5	Feature Code
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allowed values: AL011

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

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>			Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Installation (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Installation (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Installation (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Installation (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Installation (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Installation (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Installation (Point 00) - is a member of group - Exactly one - FacilityPnt (FeatureGroup 00)

Feature InstallationBoundary (Area 00)

New ☒ Installation Boundary

Land and water currently owned or used by the military installation or facility.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Feature Code	1	SU999	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> SU999						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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InstallationBoundary (Area 00)

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						

Relationships: InstallationBoundary (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 InstallationBoundary (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 InstallationBoundary (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 InstallationBoundary (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 InstallationBoundary (Area 00) - is a member of group - Exactly one - MilitarySrf (FeatureGroup 00)
 InstallationBoundary (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 InstallationBoundary (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature InsubstantialNavMark (Point 00)

New ☐ Insubstantial Navigation Mark

A small, insubstantial navigational mark. [Description] For example, a staff placed on top of a rock or shoal to mark a hazard or serve as a navigational aid.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Hydrographic Base Height : Sounding Metadata : Bathymetric Measurement Quality Category	3	No Information	Enumeration	Unitless	0	A general evaluation of the qualities of a bathymetric measurement, as a category. [Description] Drying heights are typically captured using negative (bathymetric) sounding values; their certainty of measurement may be categorized in the same manner as positive values.

<i>allowed values:</i>	Depth Doubtful Least Depth <i>Not Applicable</i> Unconfirmed Depth			Depth Known Maintained Depth <i>Other</i> Unmaintained Depth		Depth Unknown No Bottom Reported Depth	Depth Unreliable <i>No Information</i> Safe Clearance Known
Hydrographic Base Height : Sounding Metadata : Bathymetric Measurement Technique	3	No Information	Enumeration	Unitless	0	The technique used to determine water depth(s).	
<i>allowed values:</i>	Area Swept by Side-scan Sonar Computer Generated Lead-line <i>Other</i> Singlebeam			Area Swept by Vertical Acoustic System Diver Levelling Photogrammetry Underwater Utility Vehicle		Area Swept by Wire-drag Echo Sounder Multi-beam Echo Sounder Satellite Imagery	Bathymetric LiDAR Electromagnetic Sensor <i>No Information</i> Side-scan Sonar
Beacon Type	1	No Information	Enumeration	Unitless	0	The type of a beacon based on its significance to maritime navigation.	
<i>allowed values:</i>	Cable Mark Ferry Crossing Mark Measured Distance Outfall Mark Reduced Wake Speed Limit Mark Target Mark			Cairn Insubstantial Navigation Mark <i>No Information</i> Overhead Power Cable Mark Restricted Horizontal Clearance Mark Starboard-hand Edge Telephone Mark		Channel Edge Gradient Leading Line <i>Not Applicable</i> Pile Beacon Restricted Vertical Clearance Mark Stop Mark Withy	Degaussing Range Mark Maximum Vessel's Draught Mark <i>Other</i> Port-hand Edge Sound Ship's Siren Strong Current Warning Mark
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.	
<i>allowed values:</i>	<i>No Information</i> <i>Partially Operational</i>			Non-operational Planned		Not in Operation Temporarily Non-operational	<i>Operational</i>
New Feature Code	1	BC080	CONSTRAINED_STRING	Unitless	5	Feature Code	
<i>allowed values:</i>	<i>BC080</i>						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.	
<i>allowed values:</i>	<i>No Information</i>						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
<i>allowed values:</i>	<i>-999999</i>						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<i>allowed values:</i>	<i>-999999</i>						
Hydrographic Base Height	1	-999999	REAL	Metre	0	The height from a specified sounding datum to the bottom or base of a feature (for example: the base of a lighthouse).	
<i>allowed values:</i>	<i>-999999</i>						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i>	<i>No Information</i>						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i>	<i>No Information</i>						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.	

allowed values:	<i>Damaged</i> No Information <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>		<i>Dismantled</i> <i>Site Preparation</i>		<i>Intact</i> <i>Under Construction</i>			
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.					
allowed values:	<i>U</i>										
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.					
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) <i>No Information</i> Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) <i>Other</i> U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)			Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)			Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)	
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.					
allowed values:	<i>No Information</i>										
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.					
allowed values:	<i>No Information</i>										
Hydrographic Base Height : Sounding Metadata : Sounding Datum	1	No Information	Enumeration	Unitless	0	The tidal datum to which soundings and drying heights are referenced. [Description] It is usually taken to correspond to a low water stage of the tide.					
allowed values:	Approximate Lowest Astronomical Tide Approximate Mean Sea Level High Water Springs Highest High Water Local Datum Lower Low Water Large Tide Mean High Water Mean Higher High Water Springs Mean Lower Low Water Mean Water Level <i>No Information</i>			Approximate Mean Low Water Chart Datum (Unspecified) Higher High Water Indian Spring High Water Low Water Lowest Astronomical Tide Mean High Water Neaps Mean Low Water Mean Lower Low Water Springs Neap Tide <i>Other</i>			Approximate Mean Low Water Springs Equinoctial Spring Low Water Higher High Water Large Tide Indian Spring Low Water Low Water Springs Lowest Low Water Mean High Water Springs Mean Low Water Neaps Mean Sea Level Nearly Highest High Water Spring Tide			Approximate Mean Lower Low Water High Water Highest Astronomical Tide International Great Lakes Datum 1985 Lower Low Water Lowest Low Water Springs Mean Higher High Water Mean Low Water Springs Mean Tide Level Nearly Lowest Low Water	
Hydrographic Base Height : Sounding Metadata : Sounding Datum Name	1	No Information	String	Unitless	80	The name of the tidal datum to which soundings and drying heights are referenced. [Description] Used when the sounding datum is known but not specified using Attribute: 'Sounding Datum'.					
allowed values:	<i>No Information</i>										

Hydrographic Base Height : Sounding Metadata : Sounding Velocity Correction Method	1	No Information	Enumeration	Unitless	0	The method of correction that has been used to correct a sounding velocity instrument reading to obtain the correct depth.
allowed values:	Mathews Tables Sound Velocity Meter		No Information Sounder 1500 Calibrated			Not Applicable Sounder 4800 Calibrated Other Sounder Other Calibrated
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
allowed values:	Metal Wood		No Information			Other Plastic
Topmark Shape	1	No Information	Enumeration	Unitless	0	The characteristic topmark or daymark shape attached to a maritime aid to navigation to aid identification. [Description] May be secured at the top of a buoy or beacon.
allowed values:	Ball over Cone Cone over Ball Diamond over Ball		Besom Point Downward Cone Point Upward No Information		Besom Point Upward Cross over Ball Other	Can over Ball Cylinder
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Hydrographic Base Height : Sounding Metadata : Vessel Draft Correction	1	No Information	Boolean	Unitless	0	An indication that a vessel draft correction has been applied.
allowed values:	False		No Information			True
Relationships: InsubstantialNavMark (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00) InsubstantialNavMark (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00) InsubstantialNavMark (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00) InsubstantialNavMark (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00) InsubstantialNavMark (Point 00) - is a member of group - Exactly one - HydroAidNavigationPnt (FeatureGroup 00) InsubstantialNavMark (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00) InsubstantialNavMark (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)						

Feature InterestSite (Area 00)

New ☐ Interest Site

A site maintained for the public and declared to be of national or provincial historical significance and/or interest.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
allowed values:	No Information					
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values:	-999999					
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values:	No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational Operational	
New Feature Code	1	AL201	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values:	AL201					

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Historic Significance	1	No Information	Enumeration	Unitless	0	The recognized historic significance of a site and/or facility, if any.
<i>allowed values:</i> Ancient National Political			Battlefield No Information Religious			Historic Not Significant Military Other
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Religious Information : Religious Designation	1	No Information	Enumeration	Unitless	0	A designation denoting a religion or system of belief.
<i>allowed values:</i> Buddhism Islam Orthodox Shia			Chaldean Judaism Other Shinto			Christian Nestorian Protestant Sunni Hinduism No Information Roman Catholic
Religious Information : Religious Facility Type	1	No Information	Enumeration	Unitless	0	The type of a facility, building, structure or site that is designed and designated to be used for religious activities, based on its structure and/or the principal activity for which it was designed.

allowed values:	Burial Site Convent Mission Noviciate Retreat Synagogue	Cathedral Hermitage Monastery Other Seminary Tabernacle	Chapel Marabout Mosque Pagoda Shrine Temple	Church Minaret No Information Religious Community Stupa		
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values:	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: InterestSite (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
InterestSite (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
InterestSite (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
InterestSite (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
InterestSite (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
InterestSite (Area 00) - is a member of group - Exactly one - CultureSrf (FeatureGroup 00)

Feature InterestSite (Point 00)

New ☐ Interest Site

A site maintained for the public and declared to be of national or provincial historical significance and/or interest.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AL201	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL201						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Historic Significance	1	No Information	Enumeration	Unitless	0	The recognized historic significance of a site and/or facility, if any.
<i>allowed values:</i> Ancient National Political			Battlefield No Information Religious			Historic Not Significant Military Other

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Religious Information : Religious Designation	1	No Information	Enumeration	Unitless	0	A designation denoting a religion or system of belief.
<i>allowed values:</i> Buddhism Islam Orthodox Shia			Chaldean Judaism Other Shinto			Christian Nestorian Protestant Sunni Hinduism No Information Roman Catholic
Religious Information : Religious Facility Type	1	No Information	Enumeration	Unitless	0	The type of a facility, building, structure or site that is designed and designated to be used for religious activities, based on its structure and/or the principal activity for which it was designed.
<i>allowed values:</i> Burial Site Convent Mission Noviciate Retreat Synagogue			Cathedral Hermitage Monastery Other Seminary Tabernacle			Chapel Marabout Mosque Pagoda Shrine Temple Church Minaret No Information Religious Community Stupa
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: InterestSite (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 InterestSite (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 InterestSite (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 InterestSite (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 InterestSite (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 InterestSite (Point 00) - is a member of group - Exactly one - CulturePnt (FeatureGroup 00)

Feature InternationalDateLine (Line 00)

New ☐ International Date Line

A line designated as the place on the Earth where each calendar day begins. [Description] This line generally coincides with the 180th meridian but is modified to avoid land.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Feature Code	1	FA110	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> FA110						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<u>allowed values:</u> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<u>allowed values:</u> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<u>allowed values:</u> No Information						

Relationships: InternationalDateLine (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 InternationalDateLine (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 InternationalDateLine (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 InternationalDateLine (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 InternationalDateLine (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 InternationalDateLine (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 InternationalDateLine (Line 00) - is a member of group - Exactly one - BoundaryCrv (FeatureGroup 00)
 InternationalDateLine (Line 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 InternationalDateLine (Line 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature Island (Area 00)New ☐ Island**A land mass, other than a continent, surrounded by water.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Feature Code	1	BA030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BA030						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False		No Information				True

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Shoreline Delineated	1	No Information	Boolean	Unitless	0	An indication that the delineation of a shoreline is definite. [Description] The delineation of the shoreline along a beach is typically definite whereas along a mangrove swamp it is typically indefinite.
allowed values: False			No Information			True
Shoreline Type	1	No Information	Enumeration	Unitless	0	The physical characteristics of a shoreline.
allowed values:						
Building Rubble			Coral			Erosion Rubble
Mangrove			Marshy			Mud
Other			Sandy			Shingly
						Ice
						No Information
						Stony
Water Line : Sounding Datum	1	No Information	Enumeration	Unitless	0	The tidal datum to which soundings and drying heights are referenced. [Description] It is usually taken to correspond to a low water stage of the tide.
allowed values:						
Highest High Water			Indian Spring High Water			Indian Spring Low Water
Lowest Low Water			Mean High Water			Mean High Water Springs
Mean Higher High Water Springs			Mean Low Water			Mean Low Water Springs
Mean Lower Low Water Springs			Mean Sea Level			No Information
						Lowest Astronomical Tide
						Mean Higher High Water
						Mean Lower Low Water
						Other
Water Line : Sounding Datum Name	1	No Information	String	Unitless	80	The name of the tidal datum to which soundings and drying heights are referenced. [Description] Used when the sounding datum is known but not specified using Attribute: 'Sounding Datum'.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Island (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Island (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Island (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Island (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Island (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Island (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Island (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Island (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Island (Area 00) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup 00)

Feature Island (Point 00)

New ☐ Island

A land mass, other than a continent, surrounded by water.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999

New Feature Code	1	BA030	CONSTRAINED_ STRING	Unitless	5	Feature Code
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allowed values: BA030

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

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
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allowed values: -999999

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
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allowed values: -999999

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values:	-999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values:	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values:	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values:	False		No Information		True	
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values:	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Shoreline Delineated	1	No Information	Boolean	Unitless	0	An indication that the delineation of a shoreline is definite. [Description] The delineation of the shoreline along a beach is typically definite whereas along a mangrove swamp it is typically indefinite.
allowed values:	False		No Information		True	

Shoreline Type	1	No Information	Enumeration	Unitless	0	The physical characteristics of a shoreline.
allowed values:	Building Rubble Mangrove Other		Coral Marshy Sandy			Erosion Rubble Mud Shingly Ice No Information Stony
Water Line : Sounding Datum	1	No Information	Enumeration	Unitless	0	The tidal datum to which soundings and drying heights are referenced. [Description] It is usually taken to correspond to a low water stage of the tide.
allowed values:	Highest High Water Lowest Low Water Mean Higher High Water Springs Mean Lower Low Water Springs		Indian Spring High Water Mean High Water Mean Low Water Mean Sea Level			Indian Spring Low Water Mean High Water Springs Mean Low Water Springs No Information Lowest Astronomical Tide Mean Higher High Water Mean Lower Low Water Other
Water Line : Sounding Datum Name	1	No Information	String	Unitless	80	The name of the tidal datum to which soundings and drying heights are referenced. [Description] Used when the sounding datum is known but not specified using Attribute: 'Sounding Datum'.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Island (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Island (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Island (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Island (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Island (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Island (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Island (Point 00) - is a member of group - Exactly one - PhysiographyPnt (FeatureGroup 00)
 Island (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature Lagoon (Area 00)New ☐ Lagoon

An enclosed area of salt or brackish water separated from the open sea by some more or less effective, but not complete, obstacle (for example: a sand bank). [Description] The name most commonly used for the area of water enclosed by a barrier reef or atoll.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
allowed values:	-999999					
Average Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
allowed values:	[-999999, -999999]		No Information			
Bottom Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing the bottom of a body of water.

							Other	Rocks and Boulders
allowed values:	Coral		No Information					
New	Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.	
allowed values:	-999999							
New	Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.	
allowed values:	-999999							
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.	
allowed values:	-999999							
	Delineation Known	1	No Information	Boolean	Unitless	0	An indication that the delineation (for example: limits and information) of a feature is known.	
allowed values:	FALSE		No Information				TRUE	
New	Feature Code	1	BH190	CONSTRAINED_STRING	Unitless	5	Feature Code	
allowed values:	BH190							
	Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.	
allowed values:	No Information							
	Geographic Name Type	3	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.	
allowed values:	Conventional Other			Historical Transliterated Provisional			Native Transliterated Unverified Transliterated	No Information Variant Transliterated
	Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.	
allowed values:	-999999							
	Hydrologic Persistence	1	No Information	Enumeration	Unitless		The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.	
allowed values:	Dry Perennial			Ephemeral			Intermittent	No Information
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.	
allowed values:	-999999							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
allowed values:	No Information							
	Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
allowed values:	No Information							
New	Water Resource Information : pH of Water	1	-999999	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.	
allowed values:	-999999							
	Predominant Maximum Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.	
allowed values:	[-999999, -999999]			No Information				
	Predominant Minimum Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.	
allowed values:	[-999999, -999999]			No Information				

Predominant Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
allowed values:	[-999999, -999999]					
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values:	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)					
	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)					
	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)					
	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
New Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
allowed values:	-999999					
New Water Resource Information : Temperature	1	-999999	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
allowed values:	-999999					
New Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
allowed values:	-999999					
New Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
allowed values:	-999999					

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
New Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	0	The electrical conductivity of water.
<i>allowed values:</i> -999999						
New Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
<i>allowed values:</i> -999999						
Hydrographic Vertical Positioning Information : Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.
<i>allowed values:</i> Always Dry Other			Always Submerged			Covers and Uncovers No Information
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless		The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline			Brackish No Information Seawater			Brine Not Applicable Fresh Other

Relationships: Lagoon (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Lagoon (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Lagoon (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Lagoon (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Lagoon (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)
 Lagoon (Area 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
 Lagoon (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 Lagoon (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature LandAerodrome (Area 00)

New ☐ Land Aerodrome

An aerodrome on land intended to be used either wholly or in part for the arrival, departure and surface movement of aircraft.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aerodrome Elevation	1	-999999	REAL	Metre	0	The vertical distance above Mean Sea Level (MSL) of the highest point of the landing area.
<i>allowed values:</i> -999999						
Aerodrome Official Name	1	No Information	String	Unitless	80	The primary official name of an aerodrome as designated by an appropriate authority.
<i>allowed values:</i> No Information						
Airfield Symbol Type	1	No Information	Enumeration	Unitless	0	The type of airfield symbol designation.
<i>allowed values:</i> A - Active Civilian E - Abandoned or Closed (with usable runways or landing areas) X - Decoy			B - Active Joint (Civilian/Military) F - Highway Strip			C - Active Military G - Unusable for landing or take-off D - Active (with less than the minimum facilities) No Information
Airfield Type	1	No Information	Enumeration	Unitless	0	The type of an airfield based on the size and/or paving of its runways.
<i>allowed values:</i> Major No Information			Minor Other			Minor and Hard Minor and Soft
Airfield Use	3	No Information	Enumeration	Unitless	0	The primary use(s) of an airfield.

allowed values: Emergency Major Airfield Parascending/Parasailing Site		Glider Site Microlight/Ultralight Site Search and Rescue Airfield		Hang Glider Site Minor Airfield Winch Launched Hang Glider Site		Light/General Aviation Aircraft Operating Only No Information
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
allowed values: Civilian National Public		International No Information State		Joint Military and Civilian Other		Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a facility, as a whole.
allowed values: No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational		Operational
New Feature Code	1	GB005	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: GB005						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values: No Information						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
allowed values: -999999						
ICAO Location Indicator	1	No Information	String	Unitless	14	The identifier that is assigned to a location in accordance with rules prescribed by the International Civil Aviation Organization (ICAO) in Document 7910. [Description] If available this indicator shall be used as primary for identification.
allowed values: No Information						
Installation Operator	1	No Information	String	Unitless	2E+09	The name of the company or authority operating an installation.
allowed values: No Information						
New Largest Aircraft	1	No Information	String	Unitless	254	The largest aircraft that has used the facility within the past five years.
allowed values: No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999						
Magnetic Variation	1	-999999	Real	Arc Degree	0	The angular difference between True North and Magnetic North measured at a given position and date. [Description] The value given indicates whether the angular difference is East (positive) or West (negative) of True North. True North is the direction of the northern point at which the geographic meridian lines meet.
allowed values: -999999						
Magnetic Variation Date	1	No Information	Constrained_String	Unitless	20	The date on which the magnetic variation was measured.
allowed values: No Information						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						

New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> <i>Damaged</i> <i>No Information</i> <i>Unmaintained</i>							
<i>Destroyed</i> <i>Ruined</i>							
<i>Dismantled</i> <i>Site Preparation</i>							
<i>Intact</i> <i>Under Construction</i>							
	Port of Entry	1	No Information	Boolean	Unitless	0	An indication that a facility is a port of entry for customs and immigration purposes.
<i>allowed values:</i> <i>False</i> <i>No Information</i> <i>True</i>							
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> <i>U</i>							
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) <i>No Information</i> Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)							
Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) <i>Other</i> U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)							
Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)							
Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)							
	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> <i>No Information</i>							
	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> <i>No Information</i>							
	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> <i>No Information</i>							
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> <i>No Information</i>							

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: LandAerodrome (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
LandAerodrome (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
LandAerodrome (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
LandAerodrome (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
LandAerodrome (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
LandAerodrome (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
LandAerodrome (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
LandAerodrome (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
LandAerodrome (Area 00) - is a member of group - Exactly one - AeronauticSrf (FeatureGroup 00)

Feature LandAerodrome (Point 00)

New ☐ Land Aerodrome

An aerodrome on land intended to be used either wholly or in part for the arrival, departure and surface movement of aircraft.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aerodrome Elevation	1	-999999	REAL	Metre	0	The vertical distance above Mean Sea Level (MSL) of the highest point of the landing area.
<i>allowed values:</i> -999999						
Aerodrome Official Name	1	No Information	String	Unitless	80	The primary official name of an aerodrome as designated by an appropriate authority.
<i>allowed values:</i> No Information						
Airfield Symbol Type	1	No Information	Enumeration	Unitless	0	The type of airfield symbol designation.
<i>allowed values:</i> A - Active Civilian E - Abandoned or Closed (with usable runways or landing areas) X - Decoy			B - Active Joint (Civilian/Military) F - Highway Strip			C - Active Military G - Unusable for landing or take-off D - Active (with less than the minimum facilities) No Information
Airfield Type	1	No Information	Enumeration	Unitless	0	The type of an airfield based on the size and/or paving of its runways.
<i>allowed values:</i> Major No Information			Minor Other			Minor and Hard Minor and Soft
Airfield Use	3	No Information	Enumeration	Unitless	0	The primary use(s) of an airfield.
<i>allowed values:</i> Emergency Major Airfield Parascending/Parasailing Site			Glider Site Microlight/Ultralight Site Search and Rescue Airfield			Hang Glider Site Minor Airfield Winch Launched Hang Glider Site Light/General Aviation Aircraft Operating Only No Information
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational

New	Feature Code	1	GB005	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<u>allowed values:</u> GB005						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999						
	ICAO Location Indicator	1	No Information	String	Unitless	14	The identifier that is assigned to a location in accordance with rules prescribed by the International Civil Aviation Organization (ICAO) in Document 7910. [Description] If available this indicator shall be used as primary for identification.
	<u>allowed values:</u> No Information						
	Installation Operator	1	No Information	String	Unitless	2E+09	The name of the company or authority operating an installation.
	<u>allowed values:</u> No Information						
New	Largest Aircraft	1	No Information	String	Unitless	254	The largest aircraft that has used the facility within the past five years.
	<u>allowed values:</u> No Information						
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999						
	Magnetic Variation	1	-999999	Real	Arc Degree	0	The angular difference between True North and Magnetic North measured at a given position and date. [Description] The value given indicates whether the angular difference is East (positive) or West (negative) of True North. True North is the direction of the northern point at which the geographic meridian lines meet.
	<u>allowed values:</u> -999999						
	Magnetic Variation Date	1	No Information	Constrained_String	Unitless	20	The date on which the magnetic variation was measured.
	<u>allowed values:</u> No Information						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<u>allowed values:</u> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
	Port of Entry	1	No Information	Boolean	Unitless	0	An indication that a facility is a port of entry for customs and immigration purposes.
	<u>allowed values:</u> False			No Information		True	
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<u>allowed values:</u> U						

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: LandAerodrome (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
LandAerodrome (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
LandAerodrome (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
LandAerodrome (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
LandAerodrome (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
LandAerodrome (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
LandAerodrome (Point 00) - is a member of group - Exactly one - AeronauticPnt (FeatureGroup 00)

Feature LandingZone (Point 00)

New ☒ Landing Zone

An identified area for aircraft landing or the pick-up or drop-off of troops, equipment or supplies. [Description] This is usually an established site, and it is not to be used for features typically classified as runways, helipads, heliports or aerodromes. Varied types of aircraft may use this landing zone.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Feature Code	1	STB23	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> STB23						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						U.S. Northern Command (USNORTHCOM)
						U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<u>allowed values:</u> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<u>allowed values:</u> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: LandingZone (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 LandingZone (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 LandingZone (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 LandingZone (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 LandingZone (Point 00) - is a member of group - Exactly one - AeronauticPnt (FeatureGroup 00)
 LandingZone (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
 LandingZone (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 LandingZone (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature LandslideMass (Area 00)New ☐ **Landslide Mass****The mass of earth or rock which has slipped down from a mountain or cliff.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	DB211	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> DB211						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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LandslideMass (Area 00)

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: LandslideMass (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
LandslideMass (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
LandslideMass (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
LandslideMass (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
LandslideMass (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
LandslideMass (Area 00) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup 00)

Feature LandSubjectToInundation (Area 00)

New ☐ Land Subject to Inundation

A tract periodically covered by flood water, excluding tidal waters.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Average Water Depth	1	[-999999,-999999]	REAL_INTERVAL	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<u>allowed values:</u> [-999999,-999999]						
Controlled	1	No Information	Boolean	Unitless	0	An indication that a facility is controlled. [Description] For example, maritime traffic control.
<u>allowed values:</u> False			No Information			True
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	BH090	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BH090						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Other			Historical Transliterated Provisional			Native Transliterated Unverified Transliterated No Information Variant Transliterated
Hydrologic Persistence	1	No Information	Enumeration	Unitless		The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<u>allowed values:</u> Dry Perennial			Ephemeral			Intermittent No Information
Inundation Type	1	No Information	Enumeration	Unitless		The type of an inundation based on the cause of the flooding.
<u>allowed values:</u> Controlled			Natural			No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Predominant Maximum Water Depth	1	[-999999,-999999]	Real_Interval	Metre	0	The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<u>allowed values:</u> (0.8, 1.6] [-999999,-999999]			(1.6, 2.4]			(2.4, INFINITY) (-INFINITY, 0.8]
Predominant Minimum Water Depth	1	[-999999,-999999]	Real_Interval	Metre	0	The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.

allowed values: (0.8, 1.6] [-999999, -999999]			(1.6, 2.4]			(2.4, INFINITY)		(-INFINITY, 0.8]
Predominant Water Depth	1	[-999999, -999999]	Real_Interval	Metre			The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.	
allowed values: [-999999, -999999]			No Information					
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8		The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
allowed values: U								
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0		The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:								
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)		Bundeswehr Geoinformation Office (Germany)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)		Defense Information Security (Italy)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)		Geospatial Information Agency (Latvia)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)		Mapping and Charting Establishment (Canada)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)		Military Geography Division (Poland)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)		National Army Topographic Service (Moldova)
No Information			Other			Swedish Armed Forces (Sweden)		Topographic Institute (Slovakia)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force		U.S. Army
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)		U.S. Coast Guard
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)		U.S. Department of State
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)		U.S. Joint Forces Command (USJFCOM)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)		U.S. National Oceanic and Atmospheric Administration
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy		U.S. Northern Command (USNORTHCOM)
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)		U.S. Strategic Command (USSTRATCOM)
U.S. Transportation Command (USTRANSCOM)								
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254		Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values: No Information								
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254		The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values: No Information								
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09		One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values: No Information								
Unique Entity Identifier	1	No Information	String	Unitless	254		The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values: No Information								
Volume	1	[-999999, -999999]	Real_Interval	Cubic Metre	0		The volume of a feature. [Description] For example, the storage capacity of a water tower.	
allowed values: [-999999, -999999]			No Information					

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: LandSubjectToInundation (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 LandSubjectToInundation (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 LandSubjectToInundation (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 LandSubjectToInundation (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 LandSubjectToInundation (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 LandSubjectToInundation (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 LandSubjectToInundation (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 LandSubjectToInundation (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 LandSubjectToInundation (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)

Feature LandWaterBoundary (Line 00)

New ☐ Land Water Boundary

The line where a land mass is in contact with a body of water and the tide state or river stage are unspecified. [Description] It may be in either the littoral or inland waters. In the littoral, consideration should be given to using the more specific high water or low water lines based on the nature of the source data collection.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Feature Code	1	BA010	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: BA010						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values: No Information						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
allowed values: Accurate			Approximate			Doubtful No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999						
Man-made	1	No Information	Boolean	Unitless	0	An indication that a feature is man-made.
allowed values: False			No Information			True
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Shoreline Delineated	1	No Information	Boolean	Unitless	0	An indication that the delineation of a shoreline is definite. [Description] The delineation of the shoreline along a beach is typically definite whereas along a mangrove swamp it is typically indefinite.
allowed values:	False					True
Shoreline Type	1	No Information	Enumeration	Unitless	0	The physical characteristics of a shoreline.
allowed values:	<div> Building Rubble Mangrove Not Applicable Stony </div> <div> Coral Marshy Other </div> <div> Erosion Rubble Mud Sandy </div> <div> Ice No Information Shingly </div>					
Water Line : Sounding Datum	1	No Information	Enumeration	Unitless	0	The tidal datum to which soundings and drying heights are referenced. [Description] It is usually taken to correspond to a low water stage of the tide.
allowed values:	<div> Highest High Water Lowest Low Water Mean Higher High Water Springs Mean Lower Low Water Springs </div> <div> Indian Spring High Water Mean High Water Mean Low Water Mean Sea Level </div> <div> Indian Spring Low Water Mean High Water Springs Mean Low Water Springs No Information </div> <div> Lowest Astronomical Tide Mean Higher High Water Mean Lower Low Water Other </div>					
Water Line : Sounding Datum Name	1	No Information	String	Unitless	80	The name of the tidal datum to which soundings and drying heights are referenced. [Description] Used when the sounding datum is known but not specified using Attribute: 'Sounding Datum'.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Relationships: LandWaterBoundary (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
LandWaterBoundary (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
LandWaterBoundary (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
LandWaterBoundary (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
LandWaterBoundary (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
LandWaterBoundary (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
LandWaterBoundary (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
LandWaterBoundary (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
LandWaterBoundary (Line 00) - is a member of group - Exactly one - PhysiographyCrv (FeatureGroup 00)

Feature LaunchPad (Area 00)

New ☐ Launch Pad

A designated site or structure from which a rocket or missile is launched.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational						
			Non-operational Planned			Not in Operation Temporarily Non-operational
New Feature Code	1	GB040	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> GB040						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.

<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u> <i>Damaged</i> <i>Destroyed</i> <i>Dismantled</i> <i>Intact</i> No Information <i>Ruined</i> <i>Site Preparation</i> <i>Under Construction</i> <i>Unmaintained</i>						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u> Army Geographic Agency (Netherlands) Army Geographic Centre (Spain) Army Geographic Institute (Portugal) Bundeswehr Geoinformation Office (Germany) Defence Acquisition and Logistics Organization (Denmark) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Defence Imagery and Geospatial Organisation (Australia) Defense Information Security (Italy) General Command of Mapping (Turkey) Geographic Service (Belgium) Geographic Service of the Czech Armed Forces (Czech Republic) Geospatial Information Agency (Latvia) Geospatial Intelligence Organisation (New Zealand) Hellenic Military Geographic Service (Greece) Joint Geography Bureau (France) Mapping and Charting Establishment (Canada) Mapping Service (Hungary) Military Geographic Group (Estonia) Military Geographic Service (Norway) Military Geography Division (Poland) Military Mapping Centre (Lithuania) Military Topographic Directorate (Romania) Military Topographic Service (Bulgaria) National Army Topographic Service (Moldova) No Information Other Swedish Armed Forces (Sweden) Topographic Institute (Slovakia) Topographic Service (Finland) U.S. Africa Command (USAFRICOM) U.S. Air Force U.S. Army U.S. Army Geospatial Center (AGC) U.S. Central Command (USCENTCOM) U.S. Central Intelligence Agency (CIA) U.S. Coast Guard U.S. Defense Intelligence Agency (DIA) U.S. Department of Energy (DOE) U.S. Department of Homeland Security (DHS) U.S. Department of State U.S. European Command (USEUCOM) U.S. Federal Bureau of Investigation (FBI) U.S. Geological Survey (USGS) U.S. Joint Forces Command (USJFCOM) U.S. Marine Corps U.S. National Civil Applications Program (NCAP) U.S. National Geospatial-Intelligence Agency (NGA) U.S. National Oceanic and Atmospheric Administration U.S. National Reconnaissance Office (NRO) U.S. National Security Agency (NSA) U.S. Navy U.S. Northern Command (USNORTHCOM) U.S. Pacific Command (PACOM) U.S. Southern Command (USSOUTHCOM) U.S. Special Operations Command (USSOCOM) U.S. Strategic Command (USSTRATCOM) U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<u>allowed values:</u> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<u>allowed values:</u> No Information						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<u>allowed values:</u> Asphalt Concrete Iron Metal No Information Other Steel Wood						

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: LaunchPad (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 LaunchPad (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 LaunchPad (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 LaunchPad (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 LaunchPad (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 LaunchPad (Area 00) - is a member of group - Exactly one - AeronauticSrf (FeatureGroup 00)

Feature LaunchPad (Point 00)

New ☐ Launch Pad

A designated site or structure from which a rocket or missile is launched.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	GB040	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> GB040						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i>	-999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i>	No Information					
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i>	Damaged No Information Unmaintained					Destroyed Ruined Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i>	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)					Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)
<i>allowed values:</i>	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)					Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i>	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i>	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.

allowed values: No Information

Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
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allowed values: Asphalt
No InformationConcrete
OtherIron
SteelMetal
Wood

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: LaunchPad (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 LaunchPad (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 LaunchPad (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 LaunchPad (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 LaunchPad (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 LaunchPad (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 LaunchPad (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 LaunchPad (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 LaunchPad (Point 00) - is a member of group - Exactly one - AeronauticPnt (FeatureGroup 00)

Feature Lighthouse (Area 00)New ☐ Lighthouse**A distinctive structure on or off a coast exhibiting a major light designed to serve as an aid to navigation.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<u>allowed values:</u> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<u>allowed values:</u> False			No Information			True
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Attached Building	1	No Information	Boolean	Unitless	0	An indication that a building is physically contiguous (for example: shares a common wall) with one or more adjacent buildings.
<u>allowed values:</u> FALSE			No Information			TRUE
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a facility, as a whole.

	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational	Operational
New	Feature Code	1	BC050	CONSTRAINED_ STRING	Unitless	5	Feature Code	
	<i>allowed values:</i> BC050							
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.	
	<i>allowed values:</i> Emergency Shelter Other Water Transport			Inland Waters Transport Pilot Station			Maritime Pilotage Rescue and Paramedical Services	No Information Signalling
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.	
	<i>allowed values:</i> No Information							
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
	<i>allowed values:</i> -999999							
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
	<i>allowed values:</i> -999999							
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
	<i>allowed values:</i> -999999							
	Light Characteristic Number	1	-999999	Integer	Unitless		The number of flashes/occultations in a group flashing/occulting light character.	
	<i>allowed values:</i> -999999							
	Maritime Navigation Marked	1	No Information	Boolean	Unitless	0	An indication that a feature is significant to maritime safety of navigation and is marked (for example: by a light or beacon) by a maritime-specific navigational aid. [Description] Mariners may also use other prominent features (for example: rotating aeronautical beacons or lighted structures) for informal navigational purposes.	
	<i>allowed values:</i> FALSE			No Information			TRUE	
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
	<i>allowed values:</i> No Information							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
	<i>allowed values:</i> No Information							
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
	<i>allowed values:</i> False			No Information			True	
	Period of Light	1	-999999	Real	Second		The time occupied by an entire cycle of intervals of light and eclipse.	
	<i>allowed values:</i> -999999							
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.	
	<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation	Intact Under Construction

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
allowed values:						
Conical			Domed			Flat
Other			Pitched			Pyramidal
						No Information
						With Cupola
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
allowed values:						
Brick			Concrete			Glass
Masonry			Metal			No Information
Prestressed Concrete			Reinforced Concrete			Iron
						Other
						Steel
						Stone
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values: No Information						

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Lighthouse (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Lighthouse (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Lighthouse (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Lighthouse (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Lighthouse (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Lighthouse (Area 00) - is a member of group - Exactly one - HydroAidNavigationSrf (FeatureGroup 00)
 Lighthouse (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)

Feature Lighthouse (Point 00)

New ☐ Lighthouse

A distinctive structure on or off a coast exhibiting a major light designed to serve as an aid to navigation.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Attached Building	1	No Information	Boolean	Unitless	0	An indication that a building is physically contiguous (for example: shares a common wall) with one or more adjacent buildings.
<i>allowed values:</i> FALSE			No Information			TRUE
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BC050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BC050						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Emergency Shelter Other Water Transport			Inland Waters Transport Pilot Station			Maritime Pilotage Rescue and Paramedical Services No Information Signalling
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Light Characteristic Number	1	-999999	Integer	Unitless		The number of flashes/occultations in a group flashing/occulting light character.
<i>allowed values:</i> -999999						
Maritime Navigation Marked	1	No Information	Boolean	Unitless	0	An indication that a feature is significant to maritime safety of navigation and is marked (for example: by a light or beacon) by a maritime-specific navigational aid. [Description] Mariners may also use other prominent features (for example: rotating aeronautical beacons or lighted structures) for informal navigational purposes.
<i>allowed values:</i> FALSE		No Information				TRUE
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False		No Information				True
Period of Light	1	-999999	Real	Second		The time occupied by an entire cycle of intervals of light and eclipse.
<i>allowed values:</i> -999999						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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Lighthouse (Point 00)

allowed values:	Army Geographic Agency (Netherlands)		Army Geographic Centre (Spain)		Army Geographic Institute (Portugal)		Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)		Defence Geographic Centre Intelligence Collection Group (United Kingdom)		Defence Imagery and Geospatial Organisation (Australia)		Defense Information Security (Italy)
	General Command of Mapping (Turkey)		Geographic Service (Belgium)		Geographic Service of the Czech Armed Forces (Czech Republic)		Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)		Hellenic Military Geographic Service (Greece)		Joint Geography Bureau (France)		Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)		Military Geographic Group (Estonia)		Military Geographic Service (Norway)		Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)		Military Topographic Directorate (Romania)		Military Topographic Service (Bulgaria)		National Army Topographic Service (Moldova)
	No Information		Other		Swedish Armed Forces (Sweden)		Topographic Institute (Slovakia)
	Topographic Service (Finland)		U.S. Africa Command (USAFRICOM)		U.S. Air Force		U.S. Army
	U.S. Army Geospatial Center (AGC)		U.S. Central Command (USCENTCOM)		U.S. Central Intelligence Agency (CIA)		U.S. Coast Guard
U.S. Defense Intelligence Agency (DIA)		U.S. Department of Energy (DOE)		U.S. Department of Homeland Security (DHS)		U.S. Department of State	
U.S. European Command (USEUCOM)		U.S. Federal Bureau of Investigation (FBI)		U.S. Geological Survey (USGS)		U.S. Joint Forces Command (USJFCOM)	
U.S. Marine Corps		U.S. National Civil Applications Program (NCAP)		U.S. National Geospatial-Intelligence Agency (NGA)		U.S. National Oceanic and Atmospheric Administration	
	U.S. National Reconnaissance Office (NRO)		U.S. National Security Agency (NSA)		U.S. Navy		U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)		U.S. Southern Command (USSOUTHCOM)		U.S. Special Operations Command (USSOCOM)		U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information							
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information							
Roof Shape		3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
allowed values:	Conical			Domed			Flat
	Other			Pitched			No Information With Cupola
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information							
Unique Entity Identifier		1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information							
Vertical Construction Material		3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
allowed values:	Brick			Concrete			Iron
	Masonry			Metal		Glass No Information	Other
	Prestressed Concrete			Reinforced Concrete		Steel	Stone
Vertical Obstruction Identifier		1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values: No Information							
Width		1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Lighthouse (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Lighthouse (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Lighthouse (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Lighthouse (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Lighthouse (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Lighthouse (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Lighthouse (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Lighthouse (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Lighthouse (Point 00) - is a member of group - Exactly one - HydroAidNavigationPnt (FeatureGroup 00)

Feature LightSector (Point 00)New ☐ Light Sector

A sector defined by bearings from seaward within which a light shows a specified character or color, or is obscured.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i>			Civilian National State International No Information			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i>			No Information Partially Operational			Non-operational Planned Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BC060	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i>			BC060			
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i>			-999999			
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i>			No Information			
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i>			Damaged No Information Unmaintained			Destroyed Ruined Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i>			U			
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: LightSector (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 LightSector (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 LightSector (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 LightSector (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 LightSector (Point 00) - is a member of group - Exactly one - HydroAidNavigationPnt (FeatureGroup 00)
 LightSector (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 LightSector (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature LightSupportStructure (Point 00)New ☐ Light Support Structure**A structure serving as a support for one or more lights. [Description] For example, a light standard or a lamp post.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
allowed values: False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						

Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i>	No Information Partially Operational		Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AL110	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i>	AL110					
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i>	No Information Road Transport		Other			Railway Transport Recreation
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i>	No Information					
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i>	-999999					
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i>	-999999					
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i>	-999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i>	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i>	False		No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i>	Damaged No Information Unmaintained		Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Pylon Configuration	1	No Information	Enumeration	Unitless	0	The configuration of a pylon or pole.
<i>allowed values:</i>	'A' Other		'H' 'T'			'I' 'Y' No Information
Pylon Material	1	No Information	Enumeration	Unitless	0	The primary type of material composing a pylon. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.

allowed values:	Aluminum Masonry Steel		Concrete Metal Wood		Fibreglass No Information		Iron Other
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
allowed values:	U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:	No Information						
Tower Shape	1	No Information	Enumeration	Unitless	0	The general shape and/or structure of a tower.	
allowed values:	Mast Truss		No Information Tubular			Other	Pole
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values:	No Information						
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.	
allowed values:	No Information						

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: LightSupportStructure (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 LightSupportStructure (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 LightSupportStructure (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 LightSupportStructure (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 LightSupportStructure (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 LightSupportStructure (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 LightSupportStructure (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 LightSupportStructure (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 LightSupportStructure (Point 00) - is a member of group - Exactly one - StructurePnt (FeatureGroup 00)

Feature LightVessel (Point 00)

New ☐ Light Vessel

A distinctively marked vessel anchored or moored at a charted point, to serve as an aid to navigation. [Description] By night, it displays a characteristic light(s) and is usually equipped with other devices (for example: a fog signal, a submarine sound signal, and/or a radio-beacon) to assist navigation.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Broadcast Frequency	1	-999999	Integer	Hertz		The transmission frequency of a radio communications device (for example: a television station or a radiobeacon).
<i>allowed values:</i> -999999						
Character of Light	1	No Information	Constrained_String	Unitless	254	The characteristic description of a maritime light or lights at one geographic position that includes its class, number and color(s) of flashes or occultations. [Description] This text is structured as it traditionally has been represented on a paper chart.
<i>allowed values:</i> No Information						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BC070	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BC070						
Fog Signal Type	1	No Information	Enumeration	Unitless		The type of a fog signal based on its signal characteristics and method of generation.
<i>allowed values:</i> Bell Horn Other			Diaphone No Information Reed			Explosive None Siren Gong Not Applicable Whistle
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Light Elevation	1	-999999	Real	Metre		The height of a light measured from a specified datum (for example: vertical or sounding), usually high water, as defined by the National agency. [Description] When used with a buoy the elevation is measured from the water surface; when used with a lighthouse the elevation is typically measured from ground level.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Multiple Light Ranges	1	No Information	Constrained_String	Unitless	254	A set of two numbers for light ranges of visibility (at a light) expressed in nautical miles.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
Navigation System Type	3	No Information	Enumeration	Unitless		The type(s) of equipment or system used in electronic navigation.
<i>allowed values:</i> Circular Radio Beacon None Radar Responder Beacon (RACON) Unspecified Radio Beacon						
Directional Radiobeacon Other Radar Station						
No Information QTG Station (R) Radio Direction Finding						
Non-Directional Radio Beacon (NDB) Radar Marker (RAMARK) Rotating Loop Radio Beacon						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained						
Destroyed Ruined						
Dismantled Site Preparation						
Intact Under Construction						
Primary Operating Range	1	-999999	Real	Nautical Mile		The primary range of the NAVAID beyond which the capture of the signal is not completely assured.
<i>allowed values:</i> -999999						
Radar Reflector Present	1	No Information	Boolean	Unitless	0	An indication that an object has an associated radar reflector.
<i>allowed values:</i> FALSE						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Second Broadcast Frequency	1	-999999	Integer	Hertz		The alternate or second transmission frequency of a radio communications device (for example: a television station, a radiobeacon). [Description] Used for additional, alternate, and/or backup transmissions.
allowed values:	-999999					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: LightVessel (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 LightVessel (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 LightVessel (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 LightVessel (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 LightVessel (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 LightVessel (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 LightVessel (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 LightVessel (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 LightVessel (Point 00) - is a member of group - Exactly one - HydroAidNavigationPnt (FeatureGroup 00)

Feature LiquidDiffuser (Point 00) New ☐ Liquid Diffuser

Equipment located at or below water level where liquids (for example: cooling water) are spread out.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AB021	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AB021						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.

allowed values: U

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u>	<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u>	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<u>allowed values:</u>	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<u>allowed values:</u>	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<u>allowed values:</u>	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: LiquidDiffuser (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
LiquidDiffuser (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
LiquidDiffuser (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
LiquidDiffuser (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
LiquidDiffuser (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
LiquidDiffuser (Point 00) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup 00)

Feature LocalMagneticAnomaly (Area 00)

New ☐ Local Magnetic Anomaly

A localized anomaly in the Earth's magnetic field.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Feature Code	1	ZC040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> ZC040						
Magnetic Variation Anomaly	1	[-999999, -999999]	Real_Interval	Arc Degree		The difference between the magnetic variation within a magnetic disturbance area and the magnetic variation of the surrounding area. [Description] It is measured east (positive value) or west (negative value) consistent with the directionality of the magnetic declination in general.
<i>allowed values:</i> [-999999, -999999]			-999999			
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Relationships: LocalMagneticAnomaly (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 LocalMagneticAnomaly (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 LocalMagneticAnomaly (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 LocalMagneticAnomaly (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 LocalMagneticAnomaly (Area 00) - is a member of group - Exactly one - InformationSrf (FeatureGroup 00)
 LocalMagneticAnomaly (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 LocalMagneticAnomaly (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature Lock (Area 00)

New ☐ Lock

An enclosure with a pair or series of gates used for raising or lowering vessels as they pass from one water level to another.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
allowed values: Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
allowed values: -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BI030	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: BI030						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values: No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
allowed values: -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
allowed values: -999999						
Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
allowed values: -999999						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.			
<i>allowed values:</i> -999999									
New Maximum Water Depth	1	-999999	Real	Metre		Maximum water depth the object was designed to hold.			
<i>allowed values:</i> -999999									
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.			
<i>allowed values:</i> No Information									
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.			
<i>allowed values:</i> No Information									
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.			
<i>allowed values:</i> False			No Information			True			
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.			
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation		Intact Under Construction	
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.			
<i>allowed values:</i> U									
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.			
<i>allowed values:</i>									

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Brick Concrete Masonry No Information Other Prestressed Concrete Reinforced Concrete Soil Steel Stone Treated Timber Wood						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Usable Length	1	-999999	REAL	Metre	0	The interior length of a structure (for example: an aircraft bunker or a lock). [Description] The length is taken along the primary alignment of the structure. If the structure is irregular in shape the length is along its greatest horizontal dimension, else if the structure is regular in shape then a shape-specific rule may apply: for a rectangular structure, the length of the longer axis; for a round structure, the diameter.
<i>allowed values:</i> -999999						
Usable Width	1	-999999	REAL	Metre	0	The interior width of a structure. [Description] For example, an aircraft bunker or a lock.
<i>allowed values:</i> -999999						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Lock (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Lock (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Lock (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Lock (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Lock (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Lock (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Lock (Area 00) - is a member of group - Exactly one - TransportationWaterSrf (FeatureGroup 00)

Feature Lock (Line 00)New ☐ Lock

An enclosure with a pair or series of gates used for raising or lowering vessels as they pass from one water level to another.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).

	<i>allowed values:</i>	Civilian National Public	International No Information State	Joint Military and Civilian Other	Military Private		
New	Deepest Depth Below Surface Level	1	-999999	Real	Metre	The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.	
	<i>allowed values:</i>	-999999					
	Facility Operational Status	1	No Information	Enumeration	Unitless	The status of operation of a facility, as a whole.	
	<i>allowed values:</i>	No Information Partially Operational	No Information	Non-operational Planned	Not in Operation Temporarily Non-operational	Operational	
New	Feature Code	1	BI030	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<i>allowed values:</i>	BI030					
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i>	No Information					
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i>	-999999					
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i>	-999999					
	Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
	<i>allowed values:</i>	-999999					
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i>	-999999					
New	Maximum Water Depth	1	-999999	Real	Metre		Maximum water depth the object was designed to hold.
	<i>allowed values:</i>	-999999					
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i>	No Information					
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i>	No Information					
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i>	False	No Information	No Information	True		
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<i>allowed values:</i>	Damaged No Information Unmaintained	Destroyed Ruined	Dismantled Site Preparation	Intact Under Construction		

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
allowed values:						
Brick			Concrete			Masonry
Other			Prestressed Concrete			Reinforced Concrete
Steel			Stone			Treated Timber
						No Information
						Soil
						Wood
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Usable Length	1	-999999	REAL	Metre	0	The interior length of a structure (for example: an aircraft bunker or a lock). [Description] The length is taken along the primary alignment of the structure. If the structure is irregular in shape the length is along its greatest horizontal dimension, else if the structure is regular in shape then a shape-specific rule may apply: for a rectangular structure, the length of the longer axis; for a round structure, the diameter.
allowed values: -999999						
Usable Width	1	-999999	REAL	Metre	0	The interior width of a structure. [Description] For example, an aircraft bunker or a lock.

allowed values: -999999

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Lock (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Lock (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Lock (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Lock (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Lock (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Lock (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Lock (Line 00) - is a member of group - Exactly one - TransportationWaterCrv (FeatureGroup 00)

Feature Lock (Point 00) New ☐ Lock

An enclosure with a pair or series of gates used for raising or lowering vessels as they pass from one water level to another.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BI030	CONSTRAINED_ STRING	Unitless	5	Feature Code
<u>allowed values:</u> BI030						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						

Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
New Maximum Water Depth	1	-999999	Real	Metre		Maximum water depth the object was designed to hold.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> <div> <div>Brick</div> <div>Other</div> <div>Steel</div> </div> <div> <div>Concrete</div> <div>Prestressed Concrete</div> <div>Stone</div> </div> <div> <div>Masonry</div> <div>Reinforced Concrete</div> <div>Treated Timber</div> </div> <div> <div>No Information</div> <div>Soil</div> <div>Wood</div> </div>						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Usable Length	1	-999999	REAL	Metre	0	The interior length of a structure (for example: an aircraft bunker or a lock). [Description] The length is taken along the primary alignment of the structure. If the structure is irregular in shape the length is along its greatest horizontal dimension, else if the structure is regular in shape then a shape-specific rule may apply: for a rectangular structure, the length of the longer axis; for a round structure, the diameter.
<i>allowed values:</i> -999999						
Usable Width	1	-999999	REAL	Metre	0	The interior width of a structure. [Description] For example, an aircraft bunker or a lock.
<i>allowed values:</i> -999999						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Lock (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Lock (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Lock (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Lock (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Lock (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Lock (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Lock (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Lock (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Lock (Point 00) - is a member of group - Exactly one - TransportationWaterPnt (FeatureGroup 00)

Feature LoggingSite (Area 00)

New ☐ Logging Site

A tract of vegetation that is being exploited for lumber resources.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
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Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.		
<i>allowed values:</i> -999999								
New Feature Code	1	EE010	CONSTRAINED_STRING	Unitless	5	Feature Code		
<i>allowed values:</i> EE010								
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.		
<i>allowed values:</i> No Information								
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.		
<i>allowed values:</i> -999999								
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.		
<i>allowed values:</i> No Information								
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.		
<i>allowed values:</i> No Information								
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.		
<i>allowed values:</i> U								
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.		
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)	
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.		
<i>allowed values:</i> No Information								

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: LoggingSite (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 LoggingSite (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 LoggingSite (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 LoggingSite (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 LoggingSite (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 LoggingSite (Area 00) - is a member of group - Exactly one - VegetationSrf (FeatureGroup 00)

Feature Lookout (Area 00)

New ☐ Lookout

A location, which is generally elevated, from which the surrounding area may be observed. [Description] For example, it is easily accessible by vehicle, is free of obscuring vegetation, and the local topography allows for unobstructed viewing of distant features.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AK121	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK121						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information True						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged Destroyed Dismantled Intact No Information Ruined Site Preparation Under Construction Unmaintained						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Army Geographic Centre (Spain) Army Geographic Institute (Portugal) Bundeswehr Geoinformation Office (Germany) Defence Acquisition and Logistics Organization (Denmark) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Defence Imagery and Geospatial Organisation (Australia) Defense Information Security (Italy) General Command of Mapping (Turkey) Geographic Service (Belgium) Geographic Service of the Czech Armed Forces (Czech Republic) Geospatial Information Agency (Latvia) Geospatial Intelligence Organisation (New Zealand) Hellenic Military Geographic Service (Greece) Joint Geography Bureau (France) Mapping and Charting Establishment (Canada) Mapping Service (Hungary) Military Geographic Group (Estonia) Military Geographic Service (Norway) Military Geography Division (Poland) Military Mapping Centre (Lithuania) Military Topographic Directorate (Romania) Military Topographic Service (Bulgaria) National Army Topographic Service (Moldova) No Information Other Swedish Armed Forces (Sweden) Topographic Institute (Slovakia) Topographic Service (Finland) U.S. Africa Command (USAFRICOM) U.S. Air Force U.S. Army U.S. Army Geospatial Center (AGC) U.S. Central Command (USCENTCOM) U.S. Central Intelligence Agency (CIA) U.S. Coast Guard U.S. Defense Intelligence Agency (DIA) U.S. Department of Energy (DOE) U.S. Department of Homeland Security (DHS) U.S. Department of State U.S. European Command (USEUCOM) U.S. Federal Bureau of Investigation (FBI) U.S. Geological Survey (USGS) U.S. Joint Forces Command (USJFCOM) U.S. Marine Corps U.S. National Civil Applications Program (NCAP) U.S. National Geospatial-Intelligence Agency (NGA) U.S. National Oceanic and Atmospheric Administration U.S. National Reconnaissance Office (NRO) U.S. National Security Agency (NSA) U.S. Navy U.S. Northern Command (USNORTHCOM) U.S. Pacific Command (PACOM) U.S. Southern Command (USSOUTHCOM) U.S. Special Operations Command (USSOCOM) U.S. Strategic Command (USSTRATCOM) U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Lookout (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Lookout (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Lookout (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Lookout (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Lookout (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Lookout (Area 00) - is a member of group - Exactly one - CultureSrf (FeatureGroup 00)

Feature Lookout (Point 00)

New ☐ Lookout

A location, which is generally elevated, from which the surrounding area may be observed. [Description] For example, it is easily accessible by vehicle, is free of obscuring vegetation, and the local topography allows for unobstructed viewing of distant features.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999

Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>

New Feature Code	1	AK121	CONSTRAINED_STRING	Unitless	5	Feature Code
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allowed values: AK121

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

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999

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

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

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> <i>Damaged</i> No Information <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>			<i>Dismantled</i> <i>Site Preparation</i> <i>Intact</i> <i>Under Construction</i>
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> <i>U</i>						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Lookout (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Lookout (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Lookout (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Lookout (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Lookout (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Lookout (Point 00) - is a member of group - Exactly one - CulturePnt (FeatureGroup 00)
 Lookout (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
 Lookout (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)

Feature MaricultureSite (Area 00) New ☐ Mariculture Site

A site where marine organisms are cultivated for food and other products in either the open ocean, in an enclosed section of the ocean, or in tanks, ponds or raceways that are filled with seawater (for example: the farming of marine fish, prawns, or oysters in saltwater ponds).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aquaculture Facility Type	1	No Information	Enumeration	Unitless	0	The type, purpose, or intended role served by an aquaculture facility.
<i>allowed values:</i> Kelp Farm Shrimp Farm			Marine Culture			No Information Sea Ranch
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Conspicuous Air Category	1	No Information	Enumeration	Unitless	0	The manner in which an object is conspicuous when viewed from the air. [Description] A conspicuous feature is easily detected and identified under varying conditions (for example: lighting). Factors affecting conspicuousness include size, shape, and/or height.
<i>allowed values:</i> No Information			Not Conspicuous			Visual
Conspicuous Ground Category	1	No Information	Enumeration	Unitless	0	The manner in which an object is conspicuous when viewed from on the ground. [Description] A conspicuous feature is easily detected and identified under varying conditions (for example: lighting). Factors affecting conspicuousness include size, shape, and/or height.
<i>allowed values:</i> No Information			Not Conspicuous			Visual
Conspicuous Sea Category	1	No Information	Enumeration	Unitless	0	The manner in which an object is conspicuous when viewed from the sea. [Description] A conspicuous feature is easily detected and identified under varying conditions (for example: lighting). Factors affecting conspicuousness include size, shape, and/or height.
<i>allowed values:</i> No Information			Not Conspicuous			Visual
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BH050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH050						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Marine Farm Enclosure Method	1	No Information	Enumeration	Unitless	0	The method by which a marine farm is enclosed.
<i>allowed values:</i> Fencing Other Fishing Stakes Nets No Information						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information True						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained Destroyed Ruined Dismantled Site Preparation Intact Under Construction						
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Bivalve Mollusc Mussels Crustacean No Information Cultivated Shellfish Other Fish Oysters						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)						

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: MaricultureSite (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 MaricultureSite (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 MaricultureSite (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 MaricultureSite (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 MaricultureSite (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)
 MaricultureSite (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 MaricultureSite (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature MaritimeCautionArea (Area 00)

New ☐ Maritime Caution Area

Generally, an area where the mariner has to be made aware of circumstances influencing the safety of navigation. [Description] The caution may represent a specific danger, a general risk, or a rule and/or navigation advice that is not directly related to a specific object. Appropriate consideration should be given, for example, to the specific identification of wrecks, hazardous rocks and wells.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Cable Type	1	No Information	Enumeration	Unitless	0	The type of a cable based on its use.
<i>allowed values:</i> Communication Line Other			Digital Communication Line Power Line			Fibre-optic Telegraph No Information Telephone
Coastal Work Type	3	No Information	Enumeration	Unitless	0	The type of a shore or near-shore work(s) in progress.
<i>allowed values:</i> Construction of Structures			Land Reclamation			No Information Other
Description of Aids to Navigation	1	No Information	String	Unitless	2E+09	Textual description of aids to navigation marking a feature. [Description] For example, 'marked by buoys'.
<i>allowed values:</i> No Information						

New	Feature Code	1	FC037	CONSTRAINED_ STRING	Unitless	5	Feature Code	
<u>allowed values:</u> FC037								
Geographic Name Information : Full Name		1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.	
<u>allowed values:</u> No Information								
Length		1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<u>allowed values:</u> -999999								
Limit(s) Physically Based		1	No Information	Boolean	Unitless	0	An indication that the limit(s) of a maritime area are based on permanent physical features.	
<u>allowed values:</u> False				No Information		True		
Man-made		1	No Information	Boolean	Unitless	0	An indication that a feature is man-made.	
<u>allowed values:</u> False				No Information		True		
Maritime Area Restriction		3	No Information	Enumeration	Unitless	0	The type of maritime restriction(s) in an area that are designated by an appropriate authority. [Description] May be in accordance with certain specified conditions. The official legal statute of each kind of restricted area defines the kind of restriction(s).	
<u>allowed values:</u>		Bird Sanctuary Continental Shelf Area Exclusive Economic Zone Fishery Zone Game Preserve International Council for the Seas (ICES) Fishery Zone Maritime Pollution (MARPOL) Reporting Area No Information Reclamation Area Swimming Area Unilateral Fishing Zone		Compass Adjustment Degaussing Range Extended Continental Shelf Area Fishing Ground Historic Wreck Area Joint Economic Development Zone Mine Danger Area No Wake Area Research Area Swinging Area Unrestricted Area		Conservation and Management Zone Dredging Area Fairway Foreign Fishing Rights Zone Incineration Area Marine Nature Reserve Natural Gas Field Other Seal Sanctuary Territorial Sea Area Waiting Area		Contiguous Zone Ecological Reserve Fish Sanctuary Former Mine Danger Area Internal Waters Maritime Mass Grave Nature Reserve Petroleum Field Stranding Danger Area Traffic Services Limit Water Skiing Area
Maritime Caution Type		3	No Information	Enumeration	Unitless	0	The type(s) of circumstance(s) influencing the safety of navigation that mariners should observe in an area.	
<u>allowed values:</u>		Cargo Transshipment Ice Advisory Outfall Area Submarine Sewer		Clearing Line Intake Area Pollution Zone Unexploded Ordnance		COLREGS Demarcation Line No Information Submarine Cable Works in Progress Area		Harbour Area Other Submarine Pipeline
Maritime Navigation Marked		1	No Information	Boolean	Unitless	0	An indication that a feature is significant to maritime safety of navigation and is marked (for example: by a light or beacon) by a maritime-specific navigational aid. [Description] Mariners may also use other prominent features (for example: rotating aeronautical beacons or lighted structures) for informal navigational purposes.	
<u>allowed values:</u> FALSE				No Information		TRUE		
Maritime Navigation Restriction		3	No Information	Enumeration	Unitless	0	The type of maritime navigation restriction(s) in an area that are designated by an appropriate authority. [Description] May be in accordance with certain specified conditions. The official legal statute of each kind of restricted area defines the kind of restriction(s).	
<u>allowed values:</u>		Anchoring Prohibited Cargo Transshipment Prohibited Diving Prohibited Dredging Restricted Entry Restricted Fishing Restricted No Information Shipping Prohibited		Anchoring Restricted Construction Prohibited Diving Restricted Drilling Prohibited Exploration and/or Development Prohibited Landing Prohibited Offshore Safety Zone Stopping Prohibited		Artifact Removal Prohibited Discharging Prohibited Dragging Prohibited Drilling Restricted Exploration and/or Development Restricted Limited Speed Area Other Trawling Prohibited		Avoidance Area Discharging Restricted Dredging Prohibited Entry Prohibited Fishing Prohibited Navigational Aid Safety Zone Reduced Wake Area Trawling Restricted
Note : Memorandum		1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	

allowed values:	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values:	No Information					
Operating Cycle	1	No Information	Enumeration	Unitless	0	The time(s) during which a feature is usable.
allowed values:	Continuously Operating		Daytime	Night-time		No Information
	Other		Summer Season	Winter Season		
Operating Restriction	3	No Information	Enumeration	Unitless	0	The conditions (for example: time or weather) during which the use of a feature (for example: a facility, an aerodrome, a port, or a thoroughfare) is restricted.
allowed values:	Flooding		Icing	No Information		No Restriction
	Other		Reduced Visibility	Snow		Special Restriction
	Time		Wind			
Operational	1	No Information	Boolean	Unitless	0	An indication that a feature is operational.
allowed values:	False		No Information		True	
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
allowed values:	Chemical		Gas	No Information		No Product
	Other		Petrol	Petroleum		Radioactive Material
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values:	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)					
	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)					
	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)					
	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: MaritimeCautionArea (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 MaritimeCautionArea (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 MaritimeCautionArea (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 MaritimeCautionArea (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 MaritimeCautionArea (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)
 MaritimeCautionArea (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 MaritimeCautionArea (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature MaritimeLimit (Line 00)

New ☐ Maritime Limit

A line where on either side certain activities or factors of significance to navigation and/or operation apply.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Bearing of Object	1	-999999	REAL	Arc Degree	0	The bearing of an object from an observer (on any point along the line) towards the object or feature. [Description] Expressed in degrees and tenths (for example: 3.0).
<i>allowed values:</i> -999999						
Boundary Demarcated	1	No Information	Boolean	Unitless	0	An indication that a boundary is demarcated. [Description] Demarcation refers to the surveying and erection of markers along a land boundary after a boundary has been delimited according to a treaty or other agreement.
<i>allowed values:</i> False			No Information			True
Boundary Determination Method	1	No Information	Enumeration	Unitless	0	The method by which a boundary has been determined.
<i>allowed values:</i> Arc Extended Continental Shelf Main Channel Normal Baseline Right Bank Straight Baseline			Archipelagic Baseline Geodesic Median Normal Continental Shelf Shoreline Straight Segmented			Cadastral Great Circle Meridian Other Simplified Straight Baseline Economic Left Bank No Information Parallel Straight
Boundary Dispute Type	1	No Information	Enumeration	Unitless	0	The type of dispute, if any, concerning a boundary.
<i>allowed values:</i> De Facto Undisputed			De Jure			In Dispute No Information
Boundary Status	1	No Information	Enumeration	Unitless	0	The status of delimitation of a boundary.
<i>allowed values:</i> Definite No Information			In Dispute			Indefinite No Defined Boundary
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).

<i>allowed values:</i>	Civilian Municipal Private State		International National Province			Joint Military and Civilian No Information Public	Military Other Regional
Description of Reference Point	1	No Information	String	Unitless	2E+09	Description of the feature(s) which form a Leading Line or Clearing Line.	
<i>allowed values:</i>	No Information						
Dumping Ground Type	3	No Information	Enumeration	Unitless	0	The type(s) of material deliberately deposited in an area at sea.	
<i>allowed values:</i>	Chemical Waste Nuclear Waste		Explosives Other			Hazardous Material Spoil	No Information Vessels
New Feature Code	1	FC021	CONSTRAINED_ STRING	Unitless	5	Feature Code	
<i>allowed values:</i>	FC021						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.	
<i>allowed values:</i>	No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i>	-999999						
Limit(s) Physically Based	1	No Information	Boolean	Unitless	0	An indication that the limit(s) of a maritime area are based on permanent physical features.	
<i>allowed values:</i>	False		No Information		True		
Maintained	1	No Information	Boolean	Unitless	0	An indication that a feature is maintained.	
<i>allowed values:</i>	False		No Information		True		
Man-made	1	No Information	Boolean	Unitless	0	An indication that a feature is man-made.	
<i>allowed values:</i>	False		No Information		True		
Maritime Area Restriction	3	No Information	Enumeration	Unitless	0	The type of maritime restriction(s) in an area that are designated by an appropriate authority. [Description] May be in accordance with certain specified conditions. The official legal statue of each kind of restricted area defines the kind of restriction(s).	
<i>allowed values:</i>	Conservation and Management Zone Fishery Zone Mine Danger Area Petroleum Field		Degaussing Range Historic Wreck Area Natural Gas Field Reclamation Area			Dredging Area Incineration Area No Information Swinging Area	Fairway Joint Economic Development Zone Other Traffic Services Limit
Maritime Caution Type	3	No Information	Enumeration	Unitless	0	The type(s) of circumstance(s) influencing the safety of navigation that mariners should observe in an area.	
<i>allowed values:</i>	Cargo Transshipment No Information Works in Progress Area		Clearing Line Ocean Current Margin			COLREGS Demarcation Line Other	Harbour Area Pollution Zone
Maritime Navigation Line Features	1	No Information	Enumeration	Unitless	0	The type and/or number of features associated with a maritime navigation line (for example: a leading line, a transit line, or a clearing line).	
<i>allowed values:</i>	Directional Light Other		Measured Distance Markers Two Beacons or more			No Information Two Lights or more	One other than Directional Light Two other than Two Lights or Beacons
Maritime Navigation Marked	1	No Information	Boolean	Unitless	0	An indication that a feature is significant to maritime safety of navigation and is marked (for example: by a light or beacon) by a maritime-specific navigational aid. [Description] Mariners may also use other prominent features (for example: rotating aeronautical beacons or lighted structures) for informal navigational purposes.	
<i>allowed values:</i>	FALSE		No Information		TRUE		
Maritime Navigation Restriction	3	No Information	Enumeration	Unitless	0	The type of maritime navigation restriction(s) in an area that are designated by an appropriate authority. [Description] May be in accordance with certain specified conditions. The official legal statue of each kind of restricted area defines the kind of restriction(s).	
<i>allowed values:</i>	Entry Prohibited		Entry Restricted			No Information	Other

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Naval Firing and/or Practice Type	3	No Information	Enumeration	Unitless	0	The type(s) of an area where firing and/or munition exercises are conducted by Naval forces (for example: vessels or aircraft) based on the purpose(s) of the firing, practice, or exercise and/or the nature of the equipment employed.
allowed values: Firing Danger Area			Mine Laying Practice Area			No Information Other
Naval Operations Type	3	No Information	Enumeration	Unitless	0	The type(s) of an area in which operations are conducted by Naval forces (for example: vessels or aircraft) based on the size, purpose, forces deployed and/or operation(s) conducted.
allowed values: FORACS V Limit			No Information			Other Submarine Exercise Area
Operational	1	No Information	Boolean	Unitless	0	An indication that a feature is operational.
allowed values: False			No Information			True
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
allowed values: Ammunition No Product			Chemical Other			Explosive Radioactive Material No Information
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Relationships: MaritimeLimit (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 MaritimeLimit (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 MaritimeLimit (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 MaritimeLimit (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 MaritimeLimit (Line 00) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup 00)
 MaritimeLimit (Line 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 MaritimeLimit (Line 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature MaritimeNavigationBeacon (Point 00)

New ☐ Maritime Navigation Beacon

A prominent, specially constructed object forming a conspicuous mark as a fixed aid to navigation or for use in hydrographic survey.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Character of Light	1	No Information	Constrained_String	Unitless	254	The characteristic description of a maritime light or lights at one geographic position that includes its class, number and color(s) of flashes or occultations. [Description] This text is structured as it traditionally has been represented on a paper chart.

allowed values: No Information

Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>

New Feature Code	1	BC010	CONSTRAINED_STRING	Unitless	5	Feature Code
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allowed values: BC010

Fog Signal Type	1	No Information	Enumeration	Unitless		The type of a fog signal based on its signal characteristics and method of generation.
<u>allowed values:</u> Bell Horn Other			Diaphone No Information Reed			Explosive None Siren Gong <i>Not Applicable</i> Whistle

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

Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<u>allowed values:</u> Accurate			Approximate			Doubtful No Information

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

Multiple Light Ranges	1	No Information	Constrained_String	Unitless	254	A set of two numbers for light ranges of visibility (at a light) expressed in nautical miles.
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allowed values: No Information

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

Navigation Mark Colour	3	No Information	Enumeration	Unitless		The colour(s) of a International Association of Lighthouse Authorities (IALA) navigation mark. [Description] When the navigation mark is patterned, the Attribute: 'Colour Pattern' may be used to identify the pattern and a corresponding list of colours specified.
<i>allowed values:</i>	Black Grey Red		Blue No Information Violet		Brown Orange White	Green Other Yellow
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i>	Damaged No Information Unmaintained		Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Radar Reflector Present	1	No Information	Boolean	Unitless	0	An indication that an object has an associated radar reflector.
<i>allowed values:</i>	FALSE		No Information		TRUE	
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i>	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i>	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i>	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i>	No Information					
Topmark Shape	1	No Information	Enumeration	Unitless		The characteristic topmark or daymark shape attached to a maritime aid to navigation to aid identification. [Description] May be secured at the top of a buoy or beacon.

allowed values:	2 Cones Base to Base	2 Cones Point to Point	2 Cones Points Downward	2 Cones Points Upward
	2 Spheres One over Other	Ball (Filled)	Ball (Open)	Ball over Cone
	Besom Point Upward	Can (Filled)	Can (Open)	Can over Ball
	Cone over Ball	Cone Point Downward	Cone Point Upward	Cross Over Ball (Filled)
	Diamond	Diamond over Ball	Double Cone, Points Apart (Open)	No Information
	Not Applicable	Other	Upright Cross	X-shaped

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Relationships: MaritimeNavigationBeacon (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 MaritimeNavigationBeacon (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 MaritimeNavigationBeacon (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 MaritimeNavigationBeacon (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 MaritimeNavigationBeacon (Point 00) - is a member of group - Exactly one - HydroAidNavigationPnt (FeatureGroup 00)
 MaritimeNavigationBeacon (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 MaritimeNavigationBeacon (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature MaritimeNavigationLight (Point 00)

New ☐ Maritime Navigation Light

A luminous or lighted device intended for the purpose of aiding maritime navigation. [Description] A Maritime Navigation Light refers to the light itself including its housing but does not include any support structure or ancillary aids to maritime navigation.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Character of Light	1	No Information	Constrained_String	Unitless	254	The characteristic description of a maritime light or lights at one geographic position that includes its class, number and color(s) of flashes or occultations. [Description] This text is structured as it traditionally has been represented on a paper chart.
allowed values: No Information						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BC040	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: BC040						
Fog Signal Type	1	No Information	Enumeration	Unitless		The type of a fog signal based on its signal characteristics and method of generation.
allowed values: Bell Horn Other			Diaphone No Information Reed			Explosive None Siren Gong Not Applicable Whistle
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values: No Information						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
allowed values: Accurate			Approximate			Doubtful No Information
IALA A or B Adopted	1	No Information	Boolean	Unitless	0	An indication that an International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA) bouyage system has been adopted by the national authority.
allowed values: FALSE			No Information			TRUE
Light Elevation	1	-999999	Real	Metre		The height of a light measured from a specified datum (for example: vertical or sounding), usually high water, as defined by the National agency. [Description] When used with a buoy the elevation is measured from the water surface; when used with a lighthouse the elevation is typically measured from ground level.
allowed values: -999999						

Maritime Light Type	3	No Information	Enumeration	Unitless		The type of a maritime light based on its structure, location and/or intended use(s).	
<i>allowed values:</i>	Moiré Effect Light		No Information		Other	Sectored Light	
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i>	No Information						
Multiple Light Ranges	1	No Information	Constrained_String	Unitless	254	A set of two numbers for light ranges of visibility (at a light) expressed in nautical miles.	
<i>allowed values:</i>	No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i>	No Information						
Navigation Mark Colour	3	No Information	Enumeration	Unitless		The colour(s) of a International Association of Lighthouse Authorities (IALA) navigation mark. [Description] When the navigation mark is patterned, the Attribute: 'Colour Pattern' may be used to identify the pattern and a corresponding list of colours specified.	
<i>allowed values:</i>	Black Grey Red		Blue No Information Violet		Brown Orange White	Green Other Yellow	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.	
<i>allowed values:</i>	Damaged No Information Unmaintained		Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction	
Primary Operating Range	1	-999999	Real	Nautical Mile		The primary range of the NAVAID beyond which the capture of the signal is not completely assured.	
<i>allowed values:</i>	-999999						
Radar Reflector Present	1	No Information	Boolean	Unitless	0	An indication that an object has an associated radar reflector.	
<i>allowed values:</i>	FALSE		No Information		TRUE		
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i>	U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Topmark Shape	1	No Information	Enumeration	Unitless		The characteristic topmark or daymark shape attached to a maritime aid to navigation to aid identification. [Description] May be secured at the top of a buoy or beacon.
<i>allowed values:</i> 2 Cones Base to Base 2 Spheres One over Other Besom Point Upward Cone over Ball Diamond Not Applicable			2 Cones Point to Point Ball (Filled) Can (Filled) Cone Point Downward Diamond over Ball Other		2 Cones Points Downward Ball (Open) Can (Open) Cone Point Upward Double Cone, Points Apart (Open) Upright Cross	2 Cones Points Upward Ball over Cone Can over Ball Cross Over Ball (Filled) No Information X-shaped
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						

Relationships: MaritimeNavigationLight (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 MaritimeNavigationLight (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 MaritimeNavigationLight (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 MaritimeNavigationLight (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 MaritimeNavigationLight (Point 00) - is a member of group - Exactly one - HydroAidNavigationPnt (FeatureGroup 00)
 MaritimeNavigationLight (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
 MaritimeNavigationLight (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 MaritimeNavigationLight (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature MaritimeRadarRefLine (Line 00)

New ☐ Maritime Radar Reference Line

A track along which ships may be guided by coastal radar stations, especially in the event of reduced visibility.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Bearing and Reciprocal Category	1	No Information	String	Unitless	14	The true course of a vessel when proceeding along a track or route, followed by its reciprocal bearing.
<i>allowed values:</i> No Information						
New Feature Code	1	FC130	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> FC130						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: MaritimeRadarRefLine (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 MaritimeRadarRefLine (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 MaritimeRadarRefLine (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 MaritimeRadarRefLine (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 MaritimeRadarRefLine (Line 00) - is a member of group - Exactly one - HydroAidNavigationCrv (FeatureGroup 00)
 MaritimeRadarRefLine (Line 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 MaritimeRadarRefLine (Line 00) - is an extended member of configuration level - Exactly one - TDSSEspecialized (Feature 00)

Feature MaritimeRadiobeacon (Point 00)

New ☐ Maritime Radiobeacon

An electronic aid to maritime navigation consisting of a radio transmitter that broadcasts distinctive signals.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Broadcast Frequency	1	-999999	Integer	Hertz		The transmission frequency of a radio communications device (for example: a television station or a radiobeacon).
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	BC034	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BC034						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Maritime Radiobeacon Type	1	No Information	Enumeration	Unitless		The type of an electronic aid to maritime navigation consisting of a radio transmitter that broadcasts distinctive and/or characteristic signals. [Description] For example, a directional radio beacon or a radar marker (RAMARK).
<i>allowed values:</i> Circular Radiobeacon QTG Station Rotating Pattern Radiobeacon			Directional Radiobeacon Radar Marker (RAMARK)			No Information Radar Responder Beacon (RACON) Other Radio Direction Finding Station
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation System Type	3	No Information	Enumeration	Unitless		The type(s) of equipment or system used in electronic navigation.
<i>allowed values:</i> No Information Radar Station			Non-Directional Radio Beacon (NDB) Unspecified Radio Beacon			None Other
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Primary Operating Range	1	-999999	Real	Nautical Mile		The primary range of the NAVAID beyond which the capture of the signal is not completely assured.
<i>allowed values:</i> -999999						
Radar Reflector Present	1	No Information	Boolean	Unitless	0	An indication that an object has an associated radar reflector.
<i>allowed values:</i> FALSE			No Information			TRUE
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) <i>No Information</i> Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) <i>Other</i> U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	<i>No Information</i>					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	<i>No Information</i>					
Second Broadcast Frequency	1	-999999	Integer	Hertz		The alternate or second transmission frequency of a radio communications device (for example: a television station, a radiobeacon). [Description] Used for additional, alternate, and/or backup transmissions.
allowed values:	<i>-999999</i>					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	<i>No Information</i>					
Topmark Shape	1	No Information	Enumeration	Unitless		The characteristic topmark or daymark shape attached to a maritime aid to navigation to aid identification. [Description] May be secured at the top of a buoy or beacon.
allowed values:	2 Cones Base to Base 2 Spheres One over Other Besom Point Upward Cone over Ball Diamond <i>Not Applicable</i>		2 Cones Point to Point <i>Ball (Filled)</i> <i>Can (Filled)</i> Cone Point Downward Diamond over Ball <i>Other</i>		2 Cones Points Downward <i>Ball (Open)</i> <i>Can (Open)</i> Cone Point Upward <i>Double Cone, Points Apart (Open)</i> Upright Cross	2 Cones Points Upward Ball over Cone Can over Ball <i>Cross Over Ball (Filled)</i> <i>No Information</i> X-shaped
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: *No Information*

Relationships: MaritimeRadiobeacon (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 MaritimeRadiobeacon (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 MaritimeRadiobeacon (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 MaritimeRadiobeacon (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 MaritimeRadiobeacon (Point 00) - is a member of group - Exactly one - HydroAidNavigationPnt (FeatureGroup 00)
 MaritimeRadiobeacon (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 MaritimeRadiobeacon (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature MaritimeRoute (Area 00)

New ☐ Maritime Route

A track or lane established for the safe passage of vessels.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Hydrographic Depth : Sounding Metadata : Bathymetric Measurement Quality Category	3	No Information	Enumeration	Unitless	0	A general evaluation of the qualities of a bathymetric measurement, as a category. [Description] Drying heights are typically captured using negative (bathymetric) sounding values; their certainty of measurement may be categorized in the same manner as positive values.
<i>allowed values:</i> Depth Doubtful Least Depth <i>Not Applicable</i> Unconfirmed Depth			Depth Known Maintained Depth <i>Other</i> Unmaintained Depth			Depth Unreliable <i>No Information</i> Safe Clearance Known
Hydrographic Depth : Sounding Metadata : Bathymetric Measurement Technique	3	No Information	Enumeration	Unitless	0	The technique used to determine water depth(s).
<i>allowed values:</i> Area Swept by Side-scan Sonar Computer Generated Lead-line <i>Other</i> Singlebeam			Area Swept by Vertical Acoustic System Diver Levelling Photogrammetry Underwater Utility Vehicle			Bathymetric LiDAR Electromagnetic Sensor <i>No Information</i> Side-scan Sonar
Bearing and Reciprocal Category	1	No Information	String	Unitless	14	The true course of a vessel when proceeding along a track or route, followed by its reciprocal bearing.
<i>allowed values:</i> <i>No Information</i>						
Bearing from Seaward	1	-999999	REAL	Arc Degree	0	The bearing of an object measured from a position at sea to the object (not from the object to somewhere at sea).
<i>allowed values:</i> <i>-999999</i>						
Bidirectional	1	No Information	Boolean	Unitless	0	An indication that a feature supports bidirectional flow.
<i>allowed values:</i> <i>False</i>			<i>No Information</i>			<i>True</i>
Description of Aids to Navigation	1	No Information	String	Unitless	2E+09	Textual description of aids to navigation marking a feature. [Description] For example, 'marked by buoys'.
<i>allowed values:</i> <i>No Information</i>						
Description of Reference Point	1	No Information	String	Unitless	2E+09	Description of the feature(s) which form a Leading Line or Clearing Line.
<i>allowed values:</i> <i>No Information</i>						
Direction of Flow	1	-999999	REAL	Arc Degree	0	The bearing of movement or direction of the flow.
<i>allowed values:</i> <i>-999999</i>						
New Feature Code	1	FC165	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> <i>FC165</i>						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> <i>No Information</i>						
Hydrographic Depth	1	-999999	REAL	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> <i>-999999</i>						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> <i>-999999</i>						

Maritime Navigation Marked	1	No Information	Boolean	Unitless	0	An indication that a feature is significant to maritime safety of navigation and is marked (for example: by a light or beacon) by a maritime-specific navigational aid. [Description] Mariners may also use other prominent features (for example: rotating aeronautical beacons or lighted structures) for informal navigational purposes.	
allowed values:	FALSE		No Information		TRUE		
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
allowed values:	No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
allowed values:	No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
allowed values:	U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	No Information						
Route Intended Use	1	No Information	Enumeration	Unitless	0	The intended use of a maritime route. [Description] Unless stated otherwise, routing systems are recommended for use by all ships and may be made mandatory for all ships, certain categories of ships or ships carrying certain cargoes, or types and quantities of bunker fuel. Routeing systems are intended for use by day and by night in all weathers, in ice-free waters or under light ice conditions where no extraordinary manoeuvres or icebreaker assistance are required.	
allowed values:	Deep Water Route Recommended Direction of Traffic Flow Transit Route		No Information Recommended Route Two-way Route		Other Recommended Track for Deep Draft Vessels Q-Route Recommended Track for Other Than Deep Draft Vessels		
Hydrographic Depth : Sounding Metadata : Sounding Datum	1	No Information	Enumeration	Unitless	0	The tidal datum to which soundings and drying heights are referenced. [Description] It is usually taken to correspond to a low water stage of the tide.	

allowed values:	Approximate Lowest Astronomical Tide	Approximate Mean Low Water	Approximate Mean Low Water Springs	Approximate Mean Lower Low Water		
	Approximate Mean Sea Level	Chart Datum (Unspecified)	Equinoctial Spring Low Water	High Water		
	High Water Springs	Higher High Water	Higher High Water Large Tide	Highest Astronomical Tide		
	Highest High Water	Indian Spring High Water	Indian Spring Low Water	International Great Lakes Datum 1985		
	Local Datum	Low Water	Low Water Springs	Lower Low Water		
	Lower Low Water Large Tide	Lowest Astronomical Tide	Lowest Low Water	Lowest Low Water Springs		
	Mean High Water	Mean High Water Neaps	Mean High Water Springs	Mean Higher High Water		
	Mean Higher High Water Springs	Mean Low Water	Mean Low Water Neaps	Mean Low Water Springs		
	Mean Lower Low Water	Mean Lower Low Water Springs	Mean Sea Level	Mean Tide Level		
	Mean Water Level	Neap Tide	Nearly Highest High Water	Nearly Lowest Low Water		
	No Information	Other	Spring Tide			
Hydrographic Depth : Sounding Metadata : Sounding Datum Name	1	No Information	String	Unitless	80	The name of the tidal datum to which soundings and drying heights are referenced. [Description] Used when the sounding datum is known but not specified using Attribute: 'Sounding Datum'.
allowed values:	No Information					
Hydrographic Depth : Sounding Metadata : Sounding Velocity Correction Method	1	No Information	Enumeration	Unitless	0	The method of correction that has been used to correct a sounding velocity instrument reading to obtain the correct depth.
allowed values:	Mathews Tables	No Information				
	Sound Velocity Meter	Sounder 1500 Calibrated				
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Hydrographic Depth : Sounding Metadata : Vessel Draft Correction	1	No Information	Boolean	Unitless	0	An indication that a vessel draft correction has been applied.
allowed values:	False	No Information				
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

- Relationships:** MaritimeRoute (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 MaritimeRoute (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 MaritimeRoute (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 MaritimeRoute (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 MaritimeRoute (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)
 MaritimeRoute (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 MaritimeRoute (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature MaritimeRoute (Line 00) New ☐ Maritime Route

A track or lane established for the safe passage of vessels.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
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Hydrographic Depth : Sounding Metadata : Bathymetric Measurement Quality Category	3	No Information	Enumeration	Unitless	0	A general evaluation of the qualities of a bathymetric measurement, as a category. [Description] Drying heights are typically captured using negative (bathymetric) sounding values; their certainty of measurement may be categorized in the same manner as positive values.
allowed values:	Depth Doubtful Least Depth <i>Not Applicable</i> Unconfirmed Depth		Depth Known Maintained Depth <i>Other</i> Unmaintained Depth		Depth Unknown No Bottom Reported Depth	Depth Unreliable <i>No Information</i> Safe Clearance Known
Hydrographic Depth : Sounding Metadata : Bathymetric Measurement Technique	3	No Information	Enumeration	Unitless	0	The technique used to determine water depth(s).
allowed values:	Area Swept by Side-scan Sonar Computer Generated Lead-line <i>Other</i> Singlebeam		Area Swept by Vertical Acoustic System Diver Levelling Photogrammetry Underwater Utility Vehicle		Area Swept by Wire-drag Echo Sounder Multi-beam Echo Sounder Satellite Imagery	Bathymetric LiDAR Electromagnetic Sensor <i>No Information</i> Side-scan Sonar
Bearing and Reciprocal Category	1	No Information	String	Unitless	14	The true course of a vessel when proceeding along a track or route, followed by its reciprocal bearing.
allowed values:	<i>No Information</i>					
Bearing from Seaward	1	-999999	REAL	Arc Degree	0	The bearing of an object measured from a position at sea to the object (not from the object to somewhere at sea).
allowed values:	<i>-999999</i>					
Bidirectional	1	No Information	Boolean	Unitless	0	An indication that a feature supports bidirectional flow.
allowed values:	<i>False</i>		<i>No Information</i>		<i>True</i>	
Description of Aids to Navigation	1	No Information	String	Unitless	2E+09	Textual description of aids to navigation marking a feature. [Description] For example, 'marked by buoys'.
allowed values:	<i>No Information</i>					
Description of Reference Point	1	No Information	String	Unitless	2E+09	Description of the feature(s) which form a Leading Line or Clearing Line.
allowed values:	<i>No Information</i>					
Direction of Flow	1	-999999	REAL	Arc Degree	0	The bearing of movement or direction of the flow.
allowed values:	<i>-999999</i>					
New Feature Code	1	FC165	CONSTRAINED_ STRING	Unitless	5	Feature Code
allowed values:	<i>FC165</i>					
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values:	<i>No Information</i>					
Hydrographic Depth	1	-999999	REAL	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
allowed values:	<i>-999999</i>					
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values:	<i>-999999</i>					
Maritime Navigation Marked	1	No Information	Boolean	Unitless	0	An indication that a feature is significant to maritime safety of navigation and is marked (for example: by a light or beacon) by a maritime-specific navigational aid. [Description] Mariners may also use other prominent features (for example: rotating aeronautical beacons or lighted structures) for informal navigational purposes.
allowed values:	<i>FALSE</i>		<i>No Information</i>		<i>TRUE</i>	
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values:	<i>No Information</i>					

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Route Intended Use	1	No Information	Enumeration	Unitless	0	The intended use of a maritime route. [Description] Unless stated otherwise, routing systems are recommended for use by all ships and may be made mandatory for all ships, certain categories of ships or ships carrying certain cargoes, or types and quantities of bunker fuel. Routing systems are intended for use by day and by night in all weathers, in ice-free waters or under light ice conditions where no extraordinary manoeuvres or icebreaker assistance are required.
allowed values:						
Deep Water Route			No Information			Other
Recommended Direction of Traffic Flow			Recommended Route			Recommended Track for Deep Draft Vessels
Transit Route			Two-way Route			Q-Route
						Recommended Track for Other Than Deep Draft Vessels
Hydrographic Depth : Sounding Metadata : Sounding Datum	1	No Information	Enumeration	Unitless	0	The tidal datum to which soundings and drying heights are referenced. [Description] It is usually taken to correspond to a low water stage of the tide.

allowed values:	Approximate Lowest Astronomical Tide Approximate Mean Sea Level High Water Springs Highest High Water Local Datum Lower Low Water Large Tide Mean High Water Mean Higher High Water Springs Mean Lower Low Water Mean Water Level No Information	Approximate Mean Low Water Chart Datum (Unspecified) Higher High Water Indian Spring High Water Low Water Lowest Astronomical Tide Mean High Water Neaps Mean Low Water Mean Lower Low Water Springs Neap Tide Other	Approximate Mean Low Water Springs Equinoctial Spring Low Water Higher High Water Large Tide Indian Spring Low Water Low Water Springs Lowest Low Water Mean High Water Springs Mean Low Water Neaps Mean Sea Level Nearly Highest High Water Spring Tide	Approximate Mean Lower Low Water High Water Highest Astronomical Tide International Great Lakes Datum 1985 Lower Low Water Lowest Low Water Springs Mean Higher High Water Mean Low Water Springs Mean Tide Level Nearly Lowest Low Water		
Hydrographic Depth : Sounding Metadata : Sounding Datum Name	1	No Information	String	Unitless	80	The name of the tidal datum to which soundings and drying heights are referenced. [Description] Used when the sounding datum is known but not specified using Attribute: 'Sounding Datum'.
allowed values: No Information						
Hydrographic Depth : Sounding Metadata : Sounding Velocity Correction Method	1	No Information	Enumeration	Unitless	0	The method of correction that has been used to correct a sounding velocity instrument reading to obtain the correct depth.
allowed values:	Mathews Tables Sound Velocity Meter	No Information Sounder 1500 Calibrated				Not Applicable Sounder 4800 Calibrated Other Sounder Other Calibrated
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Hydrographic Depth : Sounding Metadata : Vessel Draft Correction	1	No Information	Boolean	Unitless	0	An indication that a vessel draft correction has been applied.
allowed values: False		No Information				True
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

- Relationships:** MaritimeRoute (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 MaritimeRoute (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 MaritimeRoute (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 MaritimeRoute (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 MaritimeRoute (Line 00) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup 00)
 MaritimeRoute (Line 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 MaritimeRoute (Line 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature MaritimeSignalStation (Point 00)New ☐ Maritime Signal Station**A place on shore from which signals are made to vessels at sea.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
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Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<u>allowed values:</u> No Information						
Administrative Division	1	No Information	Enumeration	Unitless	0	The nature of an administrative division as established by an international body (for example: the United Nations), a supranational body (for example: the European Union), a State (for example: France), or a similar entity (for example: the Vatican) or organization (for example: the International Hydrographic Organization).
<u>allowed values:</u> International or Supranational No Information			Local Other	Municipal Sublocal	National Subnational	
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Base Elevation	1	-999999	REAL	Metre	0	The vertical distance from a specified vertical datum to the terrain surface of or at the base of the feature. [Description] If the feature is not supported above the surface by another feature then the base of the feature is usually located at ground or water level on the downhill/downstream side. For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). In the case of a survey marker (monument) this is usually the elevation assigned to the marker (monument).
<u>allowed values:</u> -999999						
Wireless Telecommunication Information : Broadcast Frequency	1	-999999	Integer	TBD	0	The transmission frequency of a radio communications device (for example: a television station or a radiobeacon).
<u>allowed values:</u> -999999						
Conspicuous Air Category	1	No Information	Enumeration	Unitless	0	The manner in which an object is conspicuous when viewed from the air. [Description] A conspicuous feature is easily detected and identified under varying conditions (for example: lighting). Factors affecting conspicuousness include size, shape, and/or height.
<u>allowed values:</u> No Information Visual and Radar			Not Conspicuous	Radar	Visual	
Conspicuous Ground Category	1	No Information	Enumeration	Unitless	0	The manner in which an object is conspicuous when viewed from on the ground. [Description] A conspicuous feature is easily detected and identified under varying conditions (for example: lighting). Factors affecting conspicuousness include size, shape, and/or height.
<u>allowed values:</u> No Information			Not Conspicuous	Visual		
Conspicuous Sea Category	1	No Information	Enumeration	Unitless	0	The manner in which an object is conspicuous when viewed from the sea. [Description] A conspicuous feature is easily detected and identified under varying conditions (for example: lighting). Factors affecting conspicuousness include size, shape, and/or height.
<u>allowed values:</u> No Information Visual and Radar			Not Conspicuous	Radar	Visual	
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> Civilian Other			Joint Military and Civilian Private	Military Public	No Information	
Cross-sectional Shape	1	No Information	Enumeration	Unitless	0	The cross-sectional shape of a feature. [Description] Typically as viewed from profile.
<u>allowed values:</u> Circular Other			Elliptical Rectangular	Irregular Square	No Information Triangular	
DIAM Functional Classification	1	No Information	String	Unitless	14	The functional classification code for facilities as specified by DIA Manual (DIAM) 65-3-1 and encoded by the data element CATEGORY as required by DoD Directive 5105.21. [Description] Function classification codes provide a hierarchical structure for defining the detailed purpose of a facility. The Joint Chiefs of Staff (JCS) defines a facility as 'a real property performing a unique function and consisting of one or more of the following components: buildings, structures or equipment', for example: storage tanks or a pumping house. The JCS defines an installation as 'a group of facilities, or facility, in a specific geographic area which support a general functional purpose', for example: a petroleum production plant composed of all of its associated refining operations, blending operations, pumping houses and storage tanks all located within the fence line of the petroleum plant.
<u>allowed values:</u> No Information						
Directivity	1	No Information	Enumeration	Unitless	0	The side(s) of a feature that produce the greatest visual significance and/or reflectivity potential.
<u>allowed values:</u> Bidirectional			No Information	Omnidirectional	Unidirectional	
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a facility, as a whole.

allowed values: No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational		Operational
New Feature Code	1	BB155	CONSTRAINED_ STRING	Unitless	5	Feature Code
allowed values: BB155						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
allowed values: Emergency Shelter Maritime Pilotage Port Control		Harbour Control No Information Rescue and Paramedical Services		Inland Waters Transport Other Signalling		Maritime Defense Pilot Station Water Transport
Floodlit	1	No Information	Boolean	Unitless	0	An indication that a structure is floodlit.
allowed values: False		No Information		True		
Floor Count	1	-999999	Real	Unitless	0	The number of floors in a structure (for example: a building).
allowed values: -999999						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values: No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
allowed values: -999999						
Helipad Present	1	No Information	Boolean	Unitless	0	An indication that a helipad is present.
allowed values: False		No Information		True		
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
allowed values: -999999						
Historic Significance	1	No Information	Enumeration	Unitless	0	The recognized historic significance of a site and/or facility, if any.
allowed values: Ancient National Political		Battlefield No Information		Historic Not Significant		Military Other
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999						
Maritime Station Type	3	No Information	Enumeration	Unitless	0	The type(s) of activities of significance to navigation and/or operation that takes place at a maritime station.
allowed values: Bridge Signal Station Ice Signal Station No Information Port Control Station Signal Station Time Ball Station Warning Signal Station		Coast Guard Station International Port Signals Station Other Radar Surveillance Station Storm Signal Station Time Signal Station Water-police Station		Fireboat Station Lock Signal Station Pilot Lookout Station Rescue Station Tidal Stream Station Traffic Signal Station Weather Signal Station		Fog Signal Military Practice Signal Station Pilot Station Signal Mast Tide Station Unmanned Oceanographic Station
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
<i>allowed values:</i> Depressed			Level			No Information Raised
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>			Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i>			Conical Flat with Parapet Pitched with Clerestory With Clerestory With Steeple	Domed No Information Pyramidal With Cupola With Tower	Flat Other Sawtoothed With Minaret With Turret	Flat with Clerestory Pitched Semi-cylindrical With Smokestack

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Structure Shape	1	No Information	Enumeration	Unitless	0	The geometric form, appearance, and/or configuration of the feature as a whole.
allowed values: Board-like Prism Rectangular Prism			Cubic Square Prism			No Information Other
Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.
allowed values: False			No Information			True
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
allowed values: Brick Masonry Prestressed Concrete Treated Timber			Concrete Metal Reinforced Concrete Wood			Glass No Information Steel Iron Other Stone
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values: -999999						
Wireless Telecommunication Information : Wireless Telecommunication Type	1	No Information	Enumeration	Unitless	0	The type of a wireless telecommunication service based on the mechanism(s) of transmission and/or the nature of the communication(s) supported. [Description] For example, radio broadcast or mobile phone service.
allowed values: Cellular Phone Other Television (TV)			Microwave Radio Relay Radio Broadcast			Mobile Phone Radio Telephone No Information Radio-telegraph

Relationships: MaritimeSignalStation (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 MaritimeSignalStation (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 MaritimeSignalStation (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 MaritimeSignalStation (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 MaritimeSignalStation (Point 00) - is a member of group - Exactly one - HydroAidNavigationPnt (FeatureGroup 00)
 MaritimeSignalStation (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 MaritimeSignalStation (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature Marker (Point 00)

New ☐ Marker

A coloured (usually white) mark on a vertical surface (for example: a cliff, a rocky outcrop, and/or a wall) that is a conspicuous landmark for maritime navigation.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.

<i>allowed values:</i> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational		Operational			
New	Feature Code	1	BC055	CONSTRAINED_ STRING	Unitless	5	Feature Code		
<i>allowed values:</i> BC055									
Geographic Name Information : Full Name		1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.		
<i>allowed values:</i> No Information									
Length		1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.		
<i>allowed values:</i> -999999									
Note : Memorandum		1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.		
<i>allowed values:</i> No Information									
Geographic Name Information : Name Identifier		1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.		
<i>allowed values:</i> No Information									
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.		
<i>allowed values:</i> Damaged No Information Unmaintained		<i>Destroyed Ruined</i>		<i>Dismantled Site Preparation</i>		<i>Intact Under Construction</i>			
Restriction Information : Security Attributes Group (resource classification)		1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.		
<i>allowed values:</i> U									
Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.		
<i>allowed values:</i>		Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)	
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.		

allowed values: No Information

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
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allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
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allowed values: Metal
Wood

No Information

Other

Plastic

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Marker (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Marker (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Marker (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Marker (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Marker (Point 00) - is a member of group - Exactly one - HydroAidNavigationPnt (FeatureGroup 00)
 Marker (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 Marker (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature Marsh (Area 00)New ☐ Marsh

A soft, poorly drained wetland that is characterized by the growth of only non-woody plants (for example: grasses) and often forms a transition region between a waterbody and land. [Description] It is subject to frequent or tidal inundations, but not considered to be continually under water. It lacks trees. A subtype of the more generalized wetland.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999

New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre		The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
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allowed values: -999999

Average Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
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allowed values: [-999999, -999999]

No Information

Bottom Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing the bottom of a body of water.
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							<div> <div>allowed values:</div> <div> Bedrock Other Sand and Gravel </div> </div>	<div> <div>Clay and Silt Peat Sand over Mud</div> </div>	<div> <div>Gravel and Cobble Rocks and Boulders Silty Sands</div> </div>	<div> <div>No Information Sand Soil</div> </div>
New	Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre					The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
New	Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density					The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre					The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
New	Deepest Depth Below Surface Level	1	-999999	Real	Metre					The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
New	Feature Code	1	ED010	CONSTRAINED_STRING	Unitless	5				Feature Code
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200				A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	Hydrologic Persistence	1	No Information	Enumeration	Unitless	0				The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	Length	1	-999999	REAL	Metre	0	Intermittent	No Information	Perennial	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre					The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	Note : Memorandum	1	No Information	String	Unitless	2E+09				A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18				The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
New	Water Resource Information : pH of Water	1	-999999	Real	Milligrams per Litre					The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
	Predominant Maximum Water Depth	1	[-999999, -999999]	Real_Interval	Metre					The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	Predominant Minimum Water Depth	1	[-999999, -999999]	Real_Interval	Metre					The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.

<u>allowed values:</u> [-999999, -999999]		No Information				
Predominant Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<u>allowed values:</u> [-999999, -999999]		No Information				
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u>		Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)	
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<u>allowed values:</u> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<u>allowed values:</u> No Information						
Stem Diameter	1	[-999999, -999999]	REAL_Interval	Decimetre	0	The average diameter of the tree trunks in an area, measured at a height of approximately 1.5 metres or 4.5 feet on the high side (if on a hillside) above the surface of the ground. [Description] Commonly referred to as the 'diameter at breast height' (dbh). For trees up to 2 metres high, the stem diameter is measured at the mid-point between the ground and the stem tip.
<u>allowed values:</u> [-999999, -999999] Greater-than Semi-interval Less-than Semi-interval		-999999 Greater-than to Less-than-or-equal Interval No Information		Closed Interval Greater-than-or-equal to Less-than Interval Open Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval
New Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre		The mass of sulfate ions per volume of solution.
<u>allowed values:</u> -999999						
New Water Resource Information : Temperature	1	-999999	Real	Degree Celsius		The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<u>allowed values:</u> -999999						

	Tide Influenced	1	No Information	Boolean	Unitless	0	An indication that a waterbody is affected by the tide.
	<i>allowed values:</i>	<i>False</i>		<i>No Information</i>			<i>True</i>
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre		The total mass of dissolved inorganic chemical constituents per volume of solution.
	<i>allowed values:</i>	<i>-999999</i>					
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units		The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<i>allowed values:</i>	<i>-999999</i>					
	Undergrowth Density	1	[-999999, -999999]	REAL_Interval	Percent	0	The fraction of land within a defined area that is covered by undergrowth (for example: scrub, brush, and/or bush).
	<i>allowed values:</i>	<i>[-999999, -999999]</i>		<i>Closed Interval</i>			<i>Greater-than or Equal Semi-interval</i>
		<i>Greater-than to Less-than-or-equal Interval</i>		<i>Greater-than-or-equal to Less-than Interval</i>			<i>Greater-than Semi-interval</i>
		<i>Open Interval</i>					<i>Less-than Semi-interval</i>
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<i>allowed values:</i>	<i>No Information</i>					
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime		The electrical conductivity of water.
	<i>allowed values:</i>	<i>-999999</i>					
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre		The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<i>allowed values:</i>	<i>-999999</i>					
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless		The potability of water based on the type of treatment required before it is safe for human consumption.
	<i>allowed values:</i>	Contaminated Potable		<i>No Information</i> Treatable		Nonpotable	Other
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless		The type of available water based on its composition.
	<i>allowed values:</i>	Alkaline Mineral Saline		Brackish <i>No Information</i> Seawater		Brine <i>Not Applicable</i>	Fresh Other
New	Water Resource Information : Water Use	1	No Information	Enumeration	Unitless		The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.
	<i>allowed values:</i>	<i>Agricultural Irrigation</i> <i>Institutional</i> <i>Other</i>		<i>Commercial</i> <i>Livestock</i> <i>Power Generation</i>		<i>Domestic Irrigation</i> <i>Municipal</i> <i>Recreational</i>	<i>Industrial</i> <i>No Information</i> <i>Sanitary Domestic</i>
	Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
	<i>allowed values:</i>	<i>-999999</i>					

Relationships: Marsh (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Marsh (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Marsh (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Marsh (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Marsh (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Marsh (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Marsh (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Marsh (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Marsh (Area 00) - is a member of group - Exactly one - VegetationSrf (FeatureGroup 00)

Feature MeasuredDistanceLine (Line 00)New ☐ Measured Distance Line

A maritime course, the length of which has been accurately measured, whose endpoints are often established by leading lines. [Description] It is used by vessels to calibrate logs, engine revolution counters, and other onboard equipment, and to determine speed.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Bearing and Reciprocal Category	1	No Information	String	Unitless	14	The true course of a vessel when proceeding along a track or route, followed by its reciprocal bearing.
<u>allowed values:</u> No Information						
New Feature Code	1	FC100	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> FC100						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Length of Range	1	-999999	REAL	TBD	0	Length of range established by aids to navigation on the shore.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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MeasuredDistanceLine (Line 00)

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						

Relationships: MeasuredDistanceLine (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 MeasuredDistanceLine (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 MeasuredDistanceLine (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 MeasuredDistanceLine (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 MeasuredDistanceLine (Line 00) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup 00)
 MeasuredDistanceLine (Line 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 MeasuredDistanceLine (Line 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature MemorialMonument (Area 00)

New ☐ Memorial Monument

A marker erected and/or maintained as a memorial to a person and/or event.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
allowed values: False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						

Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AL130	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL130						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Height of Object	1	-999999	REAL	Metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	No Information						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.	
allowed values:	Conical No Information With Cupola With Turret		Domed Other With Minaret			Flat Pitched With Steeple	Flat with Parapet Semi-cylindrical With Tower
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:	No Information						
Structure Shape	1	No Information	Enumeration	Unitless	0	The geometric form, appearance, and/or configuration of the feature as a whole.	
allowed values:	Arched No Information Pyramidal		Columnar Obelisk Spherical			Cross Other Statue	Multiple Arched Plaque Statue on Pedestal
Tower Shape	1	No Information	Enumeration	Unitless	0	The general shape and/or structure of a tower.	
allowed values:	'A' Frame No Information		'H' Frame Other			'I' Frame 'Y' Frame	Mast
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values:	No Information						
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.	
allowed values:	No Information						

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: MemorialMonument (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 MemorialMonument (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 MemorialMonument (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 MemorialMonument (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 MemorialMonument (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 MemorialMonument (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 MemorialMonument (Area 00) - is a member of group - Exactly one - CultureSrf (FeatureGroup 00)

Feature MemorialMonument (Line 00)

New ☐ Memorial Monument

A marker erected and/or maintained as a memorial to a person and/or event.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL130	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL130						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Height of Object	1	-999999	REAL	Metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u>	-999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u>	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u>	False					
<u>allowed values:</u>	No Information					
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u>	Damaged					
<u>allowed values:</u>	No Information					
<u>allowed values:</u>	Unmaintained					
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u>	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)					Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)
<u>allowed values:</u>	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)					Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u>	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.

allowed values: No Information						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
allowed values: Conical No Information With Cupola With Turret			Domed Other With Minaret			Flat Pitched With Steeple Flat with Parapet Semi-cylindrical With Tower
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Structure Shape	1	No Information	Enumeration	Unitless	0	The geometric form, appearance, and/or configuration of the feature as a whole.
allowed values: Arched No Information Pyramidal			Columnar Obelisk Spherical			Cross Other Statue Multiple Arched Plaque Statue on Pedestal
Tower Shape	1	No Information	Enumeration	Unitless	0	The general shape and/or structure of a tower.
allowed values: 'A' Frame No Information			'H' Frame Other			'I' Frame 'Y' Frame Mast
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: MemorialMonument (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 MemorialMonument (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 MemorialMonument (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 MemorialMonument (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 MemorialMonument (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 MemorialMonument (Line 00) - is a member of group - Exactly one - CultureCrv (FeatureGroup 00)

Feature MemorialMonument (Point 00)New ☐ Memorial Monument**A marker erected and/or maintained as a memorial to a person and/or event.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
allowed values: False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.

<i>allowed values:</i> <div>No Information Partially Operational</div>		Non-operational Planned		Not in Operation Temporarily Non-operational		<i>Operational</i>	
New	Feature Code	1	AL130	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> <div>AL130</div>							
Geographic Name Information : Full Name		1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> <div>No Information</div>							
Height Above Surface Level		1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> <div>-999999</div>							
Height of Object		1	-999999	REAL	Metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> <div>-999999</div>							
Highest Elevation		1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> <div>-999999</div>							
Length		1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> <div>-999999</div>							
Note : Memorandum		1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> <div>No Information</div>							
Geographic Name Information : Name Identifier		1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> <div>No Information</div>							
Navigation Landmark		1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> <div>False</div> <div>No Information</div> <div>True</div>							
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> <div>Damaged</div> <div>No Information</div> <div>Unmaintained</div> <div>Destroyed</div> <div>Ruined</div> <div>Dismantled</div> <div>Site Preparation</div> <div>Intact</div> <div>Under Construction</div>							
Restriction Information : Security Attributes Group (resource classification)		1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> <div>U</div>							
Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	No Information						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.	
allowed values:	Conical No Information With Cupola With Turret		Domed Other With Minaret			Flat Pitched With Steeple	Flat with Parapet Semi-cylindrical With Tower
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:	No Information						
Structure Shape	1	No Information	Enumeration	Unitless	0	The geometric form, appearance, and/or configuration of the feature as a whole.	
allowed values:	Arched No Information Pyramidal		Columnar Obelisk Spherical			Cross Other Statue	Multiple Arched Plaque Statue on Pedestal
Tower Shape	1	No Information	Enumeration	Unitless	0	The general shape and/or structure of a tower.	
allowed values:	'A' Frame No Information		'H' Frame Other			'I' Frame 'Y' Frame	Mast
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values:	No Information						
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.	
allowed values:	No Information						

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: MemorialMonument (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 MemorialMonument (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 MemorialMonument (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 MemorialMonument (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 MemorialMonument (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 MemorialMonument (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 MemorialMonument (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 MemorialMonument (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 MemorialMonument (Point 00) - is a member of group - Exactly one - CulturePnt (FeatureGroup 00)

Feature MilitaryInstallation (Area 00)

New ☐ Military Installation

An installation designed for military use. [Description] For example, used to perform military operations, initiate forward movements, and/or furnish supplies. Often protected by fortifications or natural advantages.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	SU001	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> SU001						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<i>allowed values:</i> False			No Information			True
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).

allowed values:	Air Force Coastguard No Information	Air National Guard Joint Other	Army Marines	Army National Guard Navy		
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values:	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values:	False	No Information	True			
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
allowed values:	Damaged No Information Unmaintained	Destroyed Ruined	Dismantled Site Preparation	Intact Under Construction		
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values:	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.

<i>allowed values:</i>	Boulders Other Soil		Concrete Prestressed Concrete Wood		Masonry Reinforced Concrete	No Information Rock
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

<i>allowed values:</i>	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: MilitaryInstallation (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 MilitaryInstallation (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 MilitaryInstallation (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 MilitaryInstallation (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 MilitaryInstallation (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 MilitaryInstallation (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 MilitaryInstallation (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 MilitaryInstallation (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 MilitaryInstallation (Area 00) - is a member of group - Exactly one - MilitarySrf (FeatureGroup 00)

Feature MilitaryInstallation (Point 00)

New ☐ Military Installation

An installation designed for military use. [Description] For example, used to perform military operations, initiate forward movements, and/or furnish supplies. Often protected by fortifications or natural advantages.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i>	No Information					
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i>	-999999					
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i>	No Information Partially Operational		Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	SU001	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i>	SU001					
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i>	No Information					
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

<i>allowed values:</i> -999999						
Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<i>allowed values:</i> False						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).
<i>allowed values:</i> Air Force Coastguard No Information						
Air National Guard Joint Other						
Army Marines						
Army National Guard Navy						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
True						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained						
Destroyed Ruined						
Dismantled Site Preparation						
Intact Under Construction						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)						
Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)						
Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)						
Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Boulders Other Soil			Concrete Prestressed Concrete Wood			Masonry Reinforced Concrete No Information Rock
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: MilitaryInstallation (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 MilitaryInstallation (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 MilitaryInstallation (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 MilitaryInstallation (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 MilitaryInstallation (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 MilitaryInstallation (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 MilitaryInstallation (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 MilitaryInstallation (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 MilitaryInstallation (Point 00) - is a member of group - Exactly one - MilitaryPnt (FeatureGroup 00)

Feature Minefield (Area 00)New ☐ Minefield**A site laid with explosive mines.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AL065	CONSTRAINED_ STRING	Unitless	5	Feature Code

allowed values: AL065

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u>	-999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u>	No Information					
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u>	Damaged No Information Unmaintained					Destroyed Ruined Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u>	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)					Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)
<u>allowed values:</u>	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)					Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u>	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<u>allowed values:</u>	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<u>allowed values:</u>	No Information					

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Minefield (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Minefield (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Minefield (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Minefield (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Minefield (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Minefield (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Minefield (Area 00) - is a member of group - Exactly one - MilitarySrf (FeatureGroup 00)

Feature MineralPile (Area 00)

New ☐ Mineral Pile

A man-made heap of mining or quarrying products that does not contain waste materials. [Description] For example, a pile of coal or quarried stones.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AM040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AM040						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values:	-999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values:	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values:	False					No Information
New Physical Condition	1	No Information	Enumeration	Unitless		True
allowed values:	Damaged					Destroyed
	No Information					Dismantled
	Unmaintained					Intact
						Site Preparation
						Under Construction
Raw Material	3	No Information	Enumeration	Unitless	0	The principal 'raw', or input, material(s) involved in a production activity. [Description] If multiple 'raw' materials are specified then they are usually listed in descending order of importance.
allowed values:	Coal					Gravel
	Ore					Salt
	Stone					No Information
						Sand
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values:	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	Army Geographic Agency (Netherlands)					Army Geographic Centre (Spain)
	Defence Acquisition and Logistics Organization (Denmark)					Defence Geographic Centre Intelligence Collection Group (United Kingdom)
	General Command of Mapping (Turkey)					Geographic Service (Belgium)
	Geospatial Intelligence Organisation (New Zealand)					Hellenic Military Geographic Service (Greece)
	Mapping Service (Hungary)					Military Geographic Group (Estonia)
	Military Mapping Centre (Lithuania)					Military Topographic Directorate (Romania)
	No Information					Other
	Topographic Service (Finland)					U.S. Africa Command (USAFRICOM)
	U.S. Army Geospatial Center (AGC)					U.S. Central Command (USCENTCOM)
	U.S. Defense Intelligence Agency (DIA)					U.S. Department of Energy (DOE)
	U.S. European Command (USEUCOM)					U.S. Federal Bureau of Investigation (FBI)
	U.S. Marine Corps					U.S. National Civil Applications Program (NCAP)
	U.S. National Reconnaissance Office (NRO)					U.S. National Security Agency (NSA)
	U.S. Pacific Command (PACOM)					U.S. Southern Command (USSOUTHCOM)
	U.S. Transportation Command (USTRANSCOM)					
						Army Geographic Institute (Portugal)
						Defence Imagery and Geospatial Organisation (Australia)
						Geographic Service of the Czech Armed Forces (Czech Republic)
						Joint Geography Bureau (France)
						Military Geographic Service (Norway)
						Military Topographic Service (Bulgaria)
						Swedish Armed Forces (Sweden)
						U.S. Air Force
						U.S. Central Intelligence Agency (CIA)
						U.S. Department of Homeland Security (DHS)
						U.S. Geological Survey (USGS)
						U.S. National Geospatial-Intelligence Agency (NGA)
						Bundeswehr Geoinformation Office (Germany)
						Defense Information Security (Italy)
						Geospatial Information Agency (Latvia)
						Mapping and Charting Establishment (Canada)
						Military Geography Division (Poland)
						National Army Topographic Service (Moldova)
						Topographic Institute (Slovakia)
						U.S. Army
						U.S. Coast Guard
						U.S. Department of State
						U.S. Joint Forces Command (USJFCOM)
						U.S. National Oceanic and Atmospheric Administration
						U.S. Northern Command (USNORTHCOM)
						U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: MineralPile (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 MineralPile (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 MineralPile (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 MineralPile (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 MineralPile (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 MineralPile (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 MineralPile (Area 00) - is a member of group - Exactly one - IndustrySrf (FeatureGroup 00)

Feature MineralPile (Point 00)New ☐ Mineral Pile

A man-made heap of mining or quarrying products that does not contain waste materials. [Description] For example, a pile of coal or quarried stones.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False						
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public						
<i>allowed values:</i> International No Information State						
<i>allowed values:</i> Joint Military and Civilian Other						
<i>allowed values:</i> Military Private						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational						
<i>allowed values:</i> Non-operational Planned Temporarily Non-operational						
<i>allowed values:</i> Operational						
New Feature Code	1	AM040	CONSTRAINED_STRING	Unitless	5	Feature Code

<u>allowed values:</u> <i>AM040</i>							
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
<u>allowed values:</u> <i>-999999</i>							
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<u>allowed values:</u> <i>-999999</i>							
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<u>allowed values:</u> <i>-999999</i>							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<u>allowed values:</u> <i>No Information</i>							
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
<u>allowed values:</u> <i>False</i>			<i>No Information</i>			<i>True</i>	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.	
<u>allowed values:</u> <i>Damaged</i> <i>No Information</i> <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>			<i>Dismantled</i> <i>Site Preparation</i>	<i>Intact</i> <i>Under Construction</i>
Raw Material	3	No Information	Enumeration	Unitless	0	The principal 'raw', or input, material(s) involved in a production activity. [Description] If multiple 'raw' materials are specified then they are usually listed in descending order of importance.	
<u>allowed values:</u> <i>Coal</i> <i>Ore</i> <i>Stone</i>			<i>Coke</i> <i>Other</i> <i>Sulphur</i>			<i>Gravel</i> <i>Salt</i>	<i>No Information</i> <i>Sand</i>
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<u>allowed values:</u> <i>U</i>							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: MineralPile (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 MineralPile (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 MineralPile (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 MineralPile (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 MineralPile (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 MineralPile (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 MineralPile (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 MineralPile (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 MineralPile (Point 00) - is a member of group - Exactly one - IndustryPnt (FeatureGroup 00)

Feature MineShaftSuperstructure (Area 00)New ☐ Mine Shaft Superstructure

A structure over a vertical mine shaft containing machinery (for example: a winding head or hoist) used to transport minerals, equipment, and/or workers between the surface and various levels within the mine. [Description] It is usually the most prominent structure at a shaft mining facility.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AA020	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> AA020						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.

allowed values:	<i>Damaged</i> No Information <i>Unmaintained</i>		<i>Destroyed</i> <i>Ruined</i>		<i>Dismantled</i> <i>Site Preparation</i>	<i>Intact</i> <i>Under Construction</i>
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
allowed values:	Chromium Gold Nickel Silver		Coal Iron No Information Tin		Copper Lead Other Uranium	Diamond Manganese Salt Zinc
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values:	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values:	No Information					

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: MineShaftSuperstructure (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 MineShaftSuperstructure (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 MineShaftSuperstructure (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 MineShaftSuperstructure (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 MineShaftSuperstructure (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 MineShaftSuperstructure (Area 00) - is a member of group - Exactly one - IndustrySrf (FeatureGroup 00)

Feature MineShaftSuperstructure (Point 00)

New ☐ Mine Shaft Superstructure

A structure over a vertical mine shaft containing machinery (for example: a winding head or hoist) used to transport minerals, equipment, and/or workers between the surface and various levels within the mine. [Description] It is usually the most prominent structure at a shaft mining facility.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AA020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AA020						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> <i>Damaged</i> <i>No Information</i> <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>			<i>Dismantled</i> <i>Site Preparation</i> <i>Intact</i> <i>Under Construction</i>
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Chromium Gold Nickel Silver			Coal Iron No Information Tin			Copper Lead Other Uranium Diamond Manganese Salt Zinc
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> <i>U</i>						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)			Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: MineShaftSuperstructure (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 MineShaftSuperstructure (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 MineShaftSuperstructure (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 MineShaftSuperstructure (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 MineShaftSuperstructure (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 MineShaftSuperstructure (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 MineShaftSuperstructure (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 MineShaftSuperstructure (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 MineShaftSuperstructure (Point 00) - is a member of group - Exactly one - IndustryPnt (FeatureGroup 00)

Feature MissileSite (Area 00)New ☐ Missile Site**A site and related facilities for storing and launching missiles.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Municipal Private			International National State			Joint Military and Civilian No Information Tribal Military Other
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL120	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL120						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.

allowed values: No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
allowed values: -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
allowed values: -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999						
Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
allowed values: False			No Information		True	
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).
allowed values: Air Force Marines			Army Navy		Coastguard No Information	Joint Other
Missile Site Type	3	No Information	Enumeration	Unitless	The type of a missile site based on the class of missiles it houses.	
allowed values: Anti-ballistic Missile (ABM) No Information SA-3 Goa SA-7 Grail Surface-to-surface Missile (SSM)			Intercontinental Ballistic Missile (ICBM) Other SA-4 Ganef SA-8 Gecko		Intermediate-range Ballistic Missile (IRBM) SA-1 Guild SA-5 Gammon SA-9 Gaskin	Medium-range Ballistic Missile (MRBM) SA-2 Guideline SA-6 Gainful Surface-to-air Missile (SAM)
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values: False			No Information		True	
Permanent	1	No Information	Boolean	Unitless	0	An indication that a feature is permanent. [Description] Temporary features last, or are meant to last, for a limited time only.
allowed values: FALSE			No Information		TRUE	
New Physical Condition	1	No Information	Enumeration	Unitless	The physical state of a structure, or site, as a whole.	
allowed values: Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
allowed values:	<div> Brick Metal Reinforced Concrete </div> <div> Concrete No Information Steel </div> <div> Iron Other Stone </div> <div> Masonry Prestressed Concrete Wood </div>					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: MissileSite (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 MissileSite (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 MissileSite (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 MissileSite (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 MissileSite (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 MissileSite (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 MissileSite (Area 00) - is a member of group - Exactly one - MilitarySrf (FeatureGroup 00)
 MissileSite (Area 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature MissileSite (Point 00)New ☐ Missile Site**A site and related facilities for storing and launching missiles.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Municipal Private			International National State			Joint Military and Civilian No Information Tribal Military Other
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL120	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL120						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

<i>allowed values:</i> -999999						
Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<i>allowed values:</i> False			No Information			True
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).
<i>allowed values:</i> Air Force Marines			Army Navy			Coastguard No Information Joint Other
Missile Site Type	3	No Information	Enumeration	Unitless		The type of a missile site based on the class of missiles it houses.
<i>allowed values:</i> Anti-ballistic Missile (ABM) No Information SA-3 Goa SA-7 Grail Surface-to-surface Missile (SSM)			Intercontinental Ballistic Missile (ICBM) Other SA-4 Ganef SA-8 Gecko			Intermediate-range Ballistic Missile (IRBM) SA-1 Guild SA-5 Gammon SA-9 Gaskin Medium-range Ballistic Missile (MRBM) SA-2 Guideline SA-6 Gainful Surface-to-air Missile (SAM)
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Permanent	1	No Information	Boolean	Unitless	0	An indication that a feature is permanent. [Description] Temporary features last, or are meant to last, for a limited time only.
<i>allowed values:</i> FALSE			No Information			TRUE
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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MissileSite (Point 00)

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
allowed values:	Brick Metal Reinforced Concrete		Concrete No Information Steel		Iron Other Stone	Masonry Prestressed Concrete Wood
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: MissileSite (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 MissileSite (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 MissileSite (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 MissileSite (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 MissileSite (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 MissileSite (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 MissileSite (Point 00) - is a member of group - Exactly one - MilitaryPnt (FeatureGroup 00)
 MissileSite (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature Moat (Area 00)

 New ☐ Moat

A trench surrounding a tract of land and serving as a barrier. [Description] It is usually filled with water.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values: -999999</i>						
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre		The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values: -999999</i>						
New Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre		The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values: -999999</i>						
New Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density		The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values: -999999</i>						
New Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre		The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values: -999999</i>						
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values: -999999</i>						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values: No Information</i>			Non-operational			Not in Operation
<i>Partially Operational</i>			Planned			Temporarily Non-operational
New Feature Code	1	BH100	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values: BH100</i>						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values: -999999</i>						
Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values: Dry</i>			Intermittent			Perennial
						No Information

	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
New	<u>allowed values:</u> -999999							
	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre		The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.	
	<u>allowed values:</u> -999999							
New	Maximum Water Depth	1	-999999	Real	Metre		Maximum water depth the object was designed to hold.	
	<u>allowed values:</u> -999999							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
	<u>allowed values:</u> No Information							
New	Water Resource Information : pH of Water	1	-999999	Real	Milligrams per Litre		The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.	
	<u>allowed values:</u> -999999							
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.	
	<u>allowed values:</u> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation	Intact Under Construction
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
	<u>allowed values:</u> U							
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
	<u>allowed values:</u>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
	<u>allowed values:</u> No Information							

	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
	<u>allowed values:</u> No Information						
	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
	<u>allowed values:</u> No Information						
New	Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre		The mass of sulfate ions per volume of solution.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Temperature	1	-999999	Real	Degree Celsius		The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
	<u>allowed values:</u> -999999						
	Terrain Gap Width	1	-999999	REAL	Metre	0	The minimum horizontal bridging distance necessary to cross a channel. [Description] The width is measured perpendicular to the direction of water flow from bank to bank, at the first usable break in slope on each side of the channel above mean high water. Usable banks are those accessible by vehicles; small unusable ledges and cliffs are not considered usable breaks in slopes.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre		The total mass of dissolved inorganic chemical constituents per volume of solution.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units		The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<u>allowed values:</u> -999999						
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<u>allowed values:</u> No Information						
	Volume	1	-999999	REAL	Cubic Metre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime		The electrical conductivity of water.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre		The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<u>allowed values:</u> -999999						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless		The potability of water based on the type of treatment required before it is safe for human consumption.
	<u>allowed values:</u> Contaminated Potable			No Information Treatable		Nonpotable	Other
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
	<u>allowed values:</u> Alkaline Mineral Seawater			Brackish No Information		Brine Not Applicable	Fresh Saline

New	Water Resource Information : Water Use	1	No Information	Enumeration	Unitless	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.
<i>allowed values:</i> <i>Agricultural Irrigation</i> <i>Commercial</i> <i>Domestic Irrigation</i> <i>Industrial</i> <i>Institutional</i> <i>Livestock</i> <i>Municipal</i> <i>No Information</i> <i>Other</i> <i>Power Generation</i> <i>Recreational</i> <i>Sanitary Domestic</i>						
	Width	1	-999999	REAL	Metre	0
The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.						

allowed values: -999999

Relationships: Moat (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
Moat (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
Moat (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
Moat (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
Moat (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
Moat (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
Moat (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)

Feature Moat (Line 00)

New ☐ Moat

A trench surrounding a tract of land and serving as a barrier. [Description] It is usually filled with water.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New	Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999						
New	Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999						
New	Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999						
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999						
New	Deepest Depth Below Surface Level	1	-999999	Real	Metre	The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i> -999999						
	Facility Operational Status	1	No Information	Enumeration	Unitless	The status of operation of a facility, as a whole.
<i>allowed values:</i> <i>No Information</i> <i>Non-operational</i> <i>Not in Operation</i> <i>Operational</i> <i>Partially Operational</i> <i>Planned</i> <i>Temporarily Non-operational</i>						
New	Feature Code	1	BH100	CONSTRAINED_ STRING	Unitless	5
<i>allowed values:</i> BH100						

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<u>allowed values:</u> Dry Intermittent No Information Perennial						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
New Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre		The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<u>allowed values:</u> -999999						
New Maximum Water Depth	1	-999999	Real	Metre		Maximum water depth the object was designed to hold.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
New Water Resource Information : pH of Water	1	-999999	Real	Milligrams per Litre		The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
<u>allowed values:</u> -999999						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u> Damaged Destroyed Dismantled Intact No Information Ruined Site Preparation Under Construction Unmaintained						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre		The mass of sulfate ions per volume of solution.
allowed values: -999999						
Water Resource Information : Temperature	1	-999999	Real	Degree Celsius		The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
allowed values: -999999						
Terrain Gap Width	1	-999999	REAL	Metre	0	The minimum horizontal bridging distance necessary to cross a channel. [Description] The width is measured perpendicular to the direction of water flow from bank to bank, at the first usable break in slope on each side of the channel above mean high water. Usable banks are those accessible by vehicles; small unusable ledges and cliffs are not considered usable breaks in slopes.
allowed values: -999999						
Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre		The total mass of dissolved inorganic chemical constituents per volume of solution.
allowed values: -999999						
Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units		The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
allowed values: -999999						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

<i>allowed values:</i> No Information						
Volume	1	-999999	REAL	Cubic Metre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
<i>allowed values:</i> -999999						
New Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime		The electrical conductivity of water.
<i>allowed values:</i> -999999						
New Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre		The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
<i>allowed values:</i> -999999						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless		The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable No Information Treatable Nonpotable Other						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Seawater Brackish No Information Brine Not Applicable Fresh Saline						
New Water Resource Information : Water Use	1	No Information	Enumeration	Unitless		The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional Other Commercial Livestock Power Generation Domestic Irrigation Municipal Recreational Industrial No Information Sanitary Domestic						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Moat (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Moat (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Moat (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Moat (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Moat (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Moat (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Moat (Line 00) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup 00)

Feature MobileHomePark (Area 00)New ☐ Mobile Home Park

A site for the permanent parking of mobile homes used as dwellings and designed without a permanent foundation. [Description] Mobile homes are prefabricated homes built in factories, rather than on-site, and then taken to the place where they will be occupied. They are usually transported by tractor-trailers over public roads to sites which are often in rural areas or high-density developments. While these houses are usually placed in one location and left there permanently, they do retain the ability to be moved as this is a requirement in many areas. Behind the cosmetic work fitted at installation to hide the base, there are strong trailer frames, axles, wheels and tow-hitches.

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

Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i>	-999999					
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i>	No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational <i>Operational</i>	
New Feature Code	1	AI021	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i>	AI021					
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i>	Convenience Store No Information Recreation		Food Service Other Residence		Grocery Petrol Sale Restaurant Laundry Place of Worship Restroom	
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i>	No Information					
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i>	-999999					
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i>	-999999					
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i>	-999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i>	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i>	False		No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i>	Damaged No Information Unmaintained		Destroyed Ruined		Dismantled Site Preparation Intact Under Construction	
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i>	U					

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: MobileHomePark (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 MobileHomePark (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 MobileHomePark (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 MobileHomePark (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 MobileHomePark (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 MobileHomePark (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 MobileHomePark (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 MobileHomePark (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 MobileHomePark (Area 00) - is a member of group - Exactly one - SettlementSrf (FeatureGroup 00)

Feature **MooringMast (Point 00)** New ☐ **Mooring Mast**

A mast used to secure an airship.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ110	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ110						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Guyed	1	No Information	Boolean	Unitless	0	An indication that an object is guided, secured, or steadied by guy wires.
<i>allowed values:</i> False			No Information			True
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Pylon Material	1	No Information	Enumeration	Unitless	0	The primary type of material composing a pylon. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Aluminum Masonry Steel			Concrete Metal Wood			Fibreglass No Information Iron Other
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>			Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)
						Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)
						Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						

Tower Shape	1	No Information	Enumeration	Unitless	0	The general shape and/or structure of a tower.
allowed values:	Mast Tubular		No Information		Other Truss	
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: MooringMast (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 MooringMast (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 MooringMast (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 MooringMast (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 MooringMast (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 MooringMast (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 MooringMast (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 MooringMast (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 MooringMast (Point 00) - is a member of group - Exactly one - AeronauticPnt (FeatureGroup 00)

Feature Moraine (Area 00)

New ☐ Moraine

An accumulation of soil and stone debris deposited by a glacier.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values:	-999999					
New Feature Code	1	BJ020	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values:	BJ020					
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values:	No Information					
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.

allowed values: -999999

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values: <div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Moraine (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Moraine (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Moraine (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Moraine (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Moraine (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Moraine (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Moraine (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Moraine (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Moraine (Area 00) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup 00)

Feature MotorVehicleStation (Area 00)

New ☐ Motor Vehicle Station

A building at, or in which, motor vehicles are refuelled, serviced, and sometimes repaired. [Description] Usually accompanied by several prominently placed petrol pumps.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<u>allowed values:</u> No Information						
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> Civilian National State			International No Information			Joint Military and Civilian Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ170	CONSTRAINED_ STRING	Unitless	5	Feature Code
<u>allowed values:</u> AQ170						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<u>allowed values:</u> Convenience Store Petrol Sale			Motor Vehicle Repair Restroom			No Information Other

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i> Accurate			Approximate			Doubtful No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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MotorVehicleStation (Area 00)

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
allowed values:	Conical Flat with Parapet Pitched with Clerestory With Clerestory With Steeple		Domed No Information Pyramidal With Cupola With Tower		Flat Other Sawtoothed With Minaret With Turret	Flat with Clerestory Pitched Semi-cylindrical With Smokestack
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: MotorVehicleStation (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 MotorVehicleStation (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 MotorVehicleStation (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 MotorVehicleStation (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 MotorVehicleStation (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 MotorVehicleStation (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 MotorVehicleStation (Area 00) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup 00)
 MotorVehicleStation (Area 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature MotorVehicleStation (Point 00)

 New ☐ Motor Vehicle Station

A building at, or in which, motor vehicles are refuelled, serviced, and sometimes repaired. [Description] Usually accompanied by several prominently placed petrol pumps.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National State			International No Information		Joint Military and Civilian Other Military Private	
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned		Not in Operation Temporarily Non-operational Operational	
New Feature Code	1	AQ170	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ170						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Convenience Store Petrol Sale			Motor Vehicle Repair Restroom		No Information Other	
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.

<i>allowed values:</i>	Accurate		Approximate			Doubtful	No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i>	-999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i>	No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i>	No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
<i>allowed values:</i>	False		No Information			True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.	
<i>allowed values:</i>	Damaged No Information Unmaintained		Destroyed Ruined			Dismantled Site Preparation	Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i>	U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
<i>allowed values:</i>	No Information						

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical Flat with Parapet Pitched with Clerestory With Clerestory With Steeple			Domed No Information Pyramidal With Cupola With Tower			Flat Other Sawtoothed With Minaret With Turret Flat with Clerestory Pitched Semi-cylindrical With Smokestack
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: MotorVehicleStation (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 MotorVehicleStation (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 MotorVehicleStation (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 MotorVehicleStation (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 MotorVehicleStation (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 MotorVehicleStation (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 MotorVehicleStation (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 MotorVehicleStation (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 MotorVehicleStation (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)

Feature MountainPass (Point 00)New ☐ Mountain Pass**A narrow route through a mountainous region or over a mountain range.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Feature Code	1	DB150	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> DB150						

Geographic Name Information : Full Name		1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
Highest Elevation		1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999							
Length		1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999							
Note : Memorandum		1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier		1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group (resource classification)		1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U							
Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>							
							</

allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: MountainPass (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
MountainPass (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
MountainPass (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
MountainPass (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
MountainPass (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
MountainPass (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
MountainPass (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
MountainPass (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
MountainPass (Point 00) - is a member of group - Exactly one - PhysiographyPnt (FeatureGroup 00)

Feature MunitionStorageFacility (Area 00)New ☐ Munition Storage Facility

A facility for the storage of munitions (for example: bombs, missiles, warheads, mines or ammunition). [Description] Specifically, storage of weapons charged with: explosives; propellant; pyrotechnics; initiating composition; or nuclear, chemical, or biological material for use in military operations. Facilities may range in size from a small stockpile of munitions (sometimes termed an 'ammo dump') that may be reverted to a large perimeter-controlled site with multiple dispersed bunkers laid out to minimize the effect of accidental detonation (sometimes termed a 'munitions depot').

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State	Joint Military and Civilian Other		Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned	Not in Operation Temporarily Non-operational		Operational
New Feature Code	1	AM065	CONSTRAINED_STRING	Unitless	5	Feature Code

allowed values: AM065

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<u>allowed values:</u> False			No Information			True
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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MunitionStorageFacility (Area 00)

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

- Relationships:**
- MunitionStorageFacility (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 - MunitionStorageFacility (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 - MunitionStorageFacility (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 - MunitionStorageFacility (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 - MunitionStorageFacility (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 - MunitionStorageFacility (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 - MunitionStorageFacility (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 - MunitionStorageFacility (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 - MunitionStorageFacility (Area 00) - is a member of group - Exactly one - StorageSrf (FeatureGroup 00)

Feature MunitionStorageFacility (Point 00)

New ☐ Munition Storage Facility

A facility for the storage of munitions (for example: bombs, missiles, warheads, mines or ammunition). [Description] Specifically, storage of weapons charged with: explosives; propellant; pyrotechnics; initiating composition; or nuclear, chemical, or biological material for use in military operations. Facilities may range in size from a small stockpile of munitions (sometimes termed an 'ammo dump') that may be revetted to a large perimeter-controlled site with multiple dispersed bunkers laid out to minimize the effect of accidental detonation (sometimes termed a 'munitions depot').

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AM065	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AM065						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<i>allowed values:</i> False			No Information			True
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>			Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: MunitionStorageFacility (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
MunitionStorageFacility (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
MunitionStorageFacility (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
MunitionStorageFacility (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
MunitionStorageFacility (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
MunitionStorageFacility (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
MunitionStorageFacility (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
MunitionStorageFacility (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
MunitionStorageFacility (Point 00) - is a member of group - Exactly one - StoragePnt (FeatureGroup 00)

Feature NamedLocation (Area 00)New ☐ Named Location

A location that normally does not appear as a specific, characterized object but that has a name that is required to be displayed in association with that location. [Description] For example, the name of the Alps or the Sahara.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Feature Code	1	ZD040	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> ZD040						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Named Location Type	1	No Information	Enumeration	Unitless	0	The type of a location that normally does not appear as a specific, characterized object but that has a name that is required to be displayed in association with that location.
<u>allowed values:</u> Arctic Land Other			Area Populated Locality			Locality Region No Information
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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NamedLocation (Area 00)

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings) 1 No Information String Unitless 254 Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.

allowed values: No Information

Restriction Information : Security Attributes Group (resource owner-producer) 1 No Information String Unitless 254 The national government or international organization owner(s) and/or producer(s) of the resource.

allowed values: No Information

Specified Domain Values(s) 1 No Information String Unitless 2E+09 One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.

allowed values: No Information

Unique Entity Identifier 1 No Information String Unitless 254 The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: NamedLocation (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 NamedLocation (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 NamedLocation (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 NamedLocation (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 NamedLocation (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 NamedLocation (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 NamedLocation (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 NamedLocation (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 NamedLocation (Area 00) - is a member of group - Exactly one - InformationSrf (FeatureGroup 00)

Feature NamedLocation (Line 00)

New ☐ Named Location

A location that normally does not appear as a specific, characterized object but that has a name that is required to be displayed in association with that location. [Description] For example, the name of the Alps or the Sahara.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Feature Code	1	ZD040	CONSTRAINED_ STRING	Unitless	5	Feature Code

allowed values: ZD040

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

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

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

Named Location Type	1	No Information	Enumeration	Unitless	0	The type of a location that normally does not appear as a specific, characterized object but that has a name that is required to be displayed in association with that location.
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allowed values: Arctic Land
OtherArea
Populated LocalityLocality
Region

No Information

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
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allowed values: U

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
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allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
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Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
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allowed values: No Information

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
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allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Relationships: NamedLocation (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 NamedLocation (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 NamedLocation (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 NamedLocation (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 NamedLocation (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 NamedLocation (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 NamedLocation (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 NamedLocation (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 NamedLocation (Line 00) - is a member of group - Exactly one - InformationCrv (FeatureGroup 00)

Feature NamedLocation (Point 00)

New ☐ Named Location

A location that normally does not appear as a specific, characterized object but that has a name that is required to be displayed in association with that location. [Description] For example, the name of the Alps or the Sahara.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Feature Code	1	ZD040	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: ZD040						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values: No Information						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Named Location Type	1	No Information	Enumeration	Unitless	0	The type of a location that normally does not appear as a specific, characterized object but that has a name that is required to be displayed in association with that location.
allowed values: Arctic Land Other			Area Populated Locality	Locality Region		
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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NamedLocation (Point 00)

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings) 1 No Information String Unitless 254 Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.

allowed values: No Information

Restriction Information : Security Attributes Group (resource owner-producer) 1 No Information String Unitless 254 The national government or international organization owner(s) and/or producer(s) of the resource.

allowed values: No Information

Specified Domain Values(s) 1 No Information String Unitless 2E+09 One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.

allowed values: No Information

Unique Entity Identifier 1 No Information String Unitless 254 The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: NamedLocation (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 NamedLocation (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 NamedLocation (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 NamedLocation (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 NamedLocation (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 NamedLocation (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 NamedLocation (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 NamedLocation (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 NamedLocation (Point 00) - is a member of group - Exactly one - InformationPnt (FeatureGroup 00)

Feature NaturalPool (Area 00)

New ☐ Natural Pool

A naturally formed pool of water. [Description] It is usually fed by surface drainage from the surrounding region and/or water arising from an underground source (for example: a spring or a resurgence).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Water Resource Information : Aquifer Name	1	No Information	String	Unitless	200	The common or scientific name of an aquifer.

	<u>allowed values:</u> No Information					
	<u>allowed values:</u> No Information					
	Area	1	-999999	REAL	Square Metre	0 The area within the delineation of the feature.
	<u>allowed values:</u> -999999					
New	Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0 The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
	<u>allowed values:</u> -999999					
New	Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0 The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<u>allowed values:</u> -999999					
New	Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0 The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<u>allowed values:</u> -999999					
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0 The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<u>allowed values:</u> -999999					
New	Deepest Depth Below Surface Level	1	-999999	Real	Metre	The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
	<u>allowed values:</u> -999999					
	Direction of Flow	1	-999999	REAL	Arc Degree	0 The bearing of movement or direction of the flow.
	<u>allowed values:</u> -999999					
	Facility Operational Status	1	No Information	Enumeration	Unitless	The status of operation of a facility, as a whole.
	<u>allowed values:</u> No Information			Non-operational		Not in Operation
	Partially Operational			Planned		Temporarily Non-operational
New	Feature Code	1	BH170	CONSTRAINED_STRING	Unitless	5 Feature Code
	<u>allowed values:</u> BH170					
	Geographic Name Information : Full Name	2	No Information	String	Unitless	200 A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information					
	Geographic Name Type	2	No Information	Enumeration	Unitless	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional			Historical Transliterated		Native Transliterated
	Other			Provisional		Unverified Transliterated
	Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0 The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<u>allowed values:</u> Dry			Intermittent		No Information
	Length	1	-999999	REAL	Metre	0 The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999					
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre	0 The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<u>allowed values:</u> -999999					

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information							
Natural Pool Type	1	No Information	Enumeration	Unitless	0	The type of a natural pool, generally based on its origin.	
<i>allowed values:</i> Artesian Spring			No Information Walled-in Spring	Other		Resurgence	
New Water Resource Information : pH of Water	1	-999999	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.	
<i>allowed values:</i> -999999							
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.	
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined	Dismantled Site Preparation		Intact Under Construction	
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i> U							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
<i>allowed values:</i>			Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)				
			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		
			Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)				
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
<i>allowed values:</i> No Information							

	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
	<i>allowed values:</i> No Information						
New	Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Temperature	1	-999999	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<i>allowed values:</i> -999999						
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<i>allowed values:</i> No Information						
	Volume	1	-999999	REAL	Cubic Metre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	0	The electrical conductivity of water.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<i>allowed values:</i> -999999						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
	<i>allowed values:</i> Contaminated Potable			No Information Treatable			Nonpotable Other
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
	<i>allowed values:</i> Alkaline Mineral Seawater			Brackish No Information			Brine Not Applicable Fresh Saline
New	Water Resource Information : Water Use	3	No Information	Enumeration	Unitless		The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.
	<i>allowed values:</i> Agricultural Irrigation Institutional Other			Commercial Livestock Power Generation			Domestic Irrigation Municipal Recreational Industrial No Information Sanitary Domestic

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: NaturalPool (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 NaturalPool (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 NaturalPool (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 NaturalPool (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 NaturalPool (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 NaturalPool (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)

Feature NaturalPool (Point 00)

New ☐ Natural Pool

A naturally formed pool of water. [Description] It is usually fed by surface drainage from the surrounding region and/or water arising from an underground source (for example: a spring or a resurgence).

	Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New	Aquifer Name	1	No Information	String	Unitless	2E+09	The common or scientific name of an aquifer.
	<i>allowed values:</i> No Information						
	<i>allowed values:</i> No Information						
	Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i> -999999						
New	Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
	<i>allowed values:</i> -999999						
	Direction of Flow	1	-999999	REAL	Arc Degree	0	The bearing of movement or direction of the flow.
	<i>allowed values:</i> -999999						
	Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
	<i>allowed values:</i> No Information			Non-operational			Not in Operation
	<i>Partially Operational</i>			Planned			Temporarily Non-operational
New	Feature Code	1	BH170	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BH170						

Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Geographic Name Type	2	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Other			Historical Transliterated Provisional			Native Transliterated Unverified Transliterated No Information Variant Transliterated
Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i> Dry			Intermittent			No Information Perennial
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
New Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Natural Pool Type	1	No Information	Enumeration	Unitless	0	The type of a natural pool, generally based on its origin.
<i>allowed values:</i> Artesian Spring			No Information Walled-in Spring			Other Resurgence
New Water Resource Information : pH of Water	1	-999999	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)		
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)		
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)		
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)		
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)		
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)		
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)		
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army		
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard		
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State		
U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)			
U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration			
U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)			
U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)			
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
allowed values:	-999999					
Water Resource Information : Temperature	1	-999999	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
allowed values:	-999999					
Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
allowed values:	-999999					
Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
allowed values:	-999999					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Volume	1	-999999	REAL	Cubic Metre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
allowed values:	-999999					

New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	0	The electrical conductivity of water.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<i>allowed values:</i> -999999						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
	<i>allowed values:</i> Contaminated Potable						No Information Treatable Nonpotable Other
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
	<i>allowed values:</i> Alkaline Mineral Seawater						Brackish No Information Brine Not Applicable Fresh Saline
New	Water Resource Information : Water Use	1	No Information	Enumeration	Unitless		The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.
	<i>allowed values:</i> Agricultural Irrigation Institutional Other						Commercial Livestock Power Generation Domestic Irrigation Municipal Recreational Industrial No Information Sanitary Domestic
	Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: NaturalPool (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 NaturalPool (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 NaturalPool (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 NaturalPool (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 NaturalPool (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 NaturalPool (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 NaturalPool (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 NaturalPool (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 NaturalPool (Point 00) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup 00)

Feature NonBuildingStructure (Area 00)

New ☐ Non-building Structure

A free-standing self-supporting construction (for example: a large piece of equipment) designed to support human activities (for example: agriculture, manufacturing, or mining) but not intended for human occupancy and/or habitation (for example: a house, a bank, an office, or a stadium). [Description] May have only limited protection from the weather (for example: a hayrick) and often composed of components specialized for a particular activity (for example: animal feeding, material storage, or traffic control) or process (for example: chemical reaction, heating, mixing, or physical shaping). For example, a cane press, a cement mill, a cotton gin, a distillation tower, and a rock crusher.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False						No Information True
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.

<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Manufacturing Information : By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Ash Other Sewage Cinders Radioactive Material Slag No Byproduct Refuse No Information Scrap-metal						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National State International No Information Joint Military and Civilian Other Military Private						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational						
New Feature Code	1	AL014	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL014						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i> Accurate Approximate Doubtful No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information True						

New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
allowed values: <i>Damaged</i> <i>No Information</i> <i>Unmaintained</i>							
<i>Destroyed</i> <i>Ruined</i>							
<i>Dismantled</i> <i>Site Preparation</i>							
<i>Intact</i> <i>Under Construction</i>							
	Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
allowed values: Aircraft Biochemical Chemical Coke Cotton Electronic Equipment Fluorine Gas Ice Liquefied Natural Gas (LNG) Metal Munitions <i>Not Applicable</i> Paper Petroleum and/or Natural Gas Prestressed Concrete Salt Steel Uranium Wine							
Aluminum Biodiesel Clothing Concrete Desalinated Water Explosive Food Glass Iron Liquefied Petroleum Gas (LPG) Milk <i>No Information</i> Nuclear Fuel Petrochemical Petroleum Lubricant Radioactive Material Sewage Sugar Vegetation Product Zinc							
Ammunition Brick Coal Consumer Goods Electric Power Fertilizer Frozen Water Gold Lead Lumber Milled Grain No Product Olive Oil Petrol Phosphorus Rice Silver Textile Water							
Asphalt Cement Coffee Copper Electrical Equipment Fish Fruit Heating Steam and/or Water Lime Manganese Motor Vehicle Non-solid Hydrocarbon Fuel <i>Other</i> Petroleum Plastic Rubber Snow Tobacco Whale Products							
	Manufacturing Information : Raw Material	3	No Information	Enumeration	Unitless	0	The principal 'raw', or input, material(s) involved in a production activity. [Description] If multiple 'raw' materials are specified then they are usually listed in descending order of importance.
allowed values: Aluminum Chemical Copper Gold Lumber No Raw Material Paper Radioactive Material Snow Tobacco Wood							
Asphalt Clay Cotton Ice Manganese Oil Petroleum and/or Natural Gas Rubber Steel Uranium Zinc							
Bauxite Coal Gas Iron Metal Ore Plant Material Sewage Sugar Vegetation							
Cement Coke Glass Lead <i>No Information</i> <i>Other</i> Plastic Silver Textile Water							
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: <i>U</i>							
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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NonBuildingStructure (Area 00)

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: NonBuildingStructure (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 NonBuildingStructure (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 NonBuildingStructure (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 NonBuildingStructure (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 NonBuildingStructure (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 NonBuildingStructure (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 NonBuildingStructure (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 NonBuildingStructure (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 NonBuildingStructure (Area 00) - is a member of group - Exactly one - StructureSrf (FeatureGroup 00)

Feature NonBuildingStructure (Point 00)New ☐ Non-building Structure

A free-standing self-supporting construction (for example: a large piece of equipment) designed to support human activities (for example: agriculture, manufacturing, or mining) but not intended for human occupancy and/or habitation (for example: a house, a bank, an office, or a stadium). [Description] May have only limited protection from the weather (for example: a hayrick) and often composed of components specialized for a particular activity (for example: animal feeding, material storage, or traffic control) or process (for example: chemical reaction, heating, mixing, or physical shaping). For example, a cane press, a cement mill, a cotton gin, a distillation tower, and a rock crusher.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> <i>False</i>			<i>No Information</i>			<i>True</i>
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> <i>-999999</i>						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> <i>-999999</i>						
Manufacturing Information : By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Ash Other Sewage			Cinders Radioactive Material Slag			No Byproduct Refuse No Information Scrap-metal
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National State			International No Information			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information <i>Partially Operational</i>			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AL014	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> <i>AL014</i>						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> <i>-999999</i>						

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i> Accurate			Approximate			Doubtful
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged			Destroyed			Dismantled
No Information			Ruined			Intact
Unmaintained						Site Preparation
						Under Construction
Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Aircraft			Aluminum			Ammunition
Biochemical			Biodiesel			Asphalt
Chemical			Clothing			Brick
Coke			Concrete			Cement
Cotton			Desalinated Water			Coal
Electronic Equipment			Explosive			Coffee
Fluorine			Food			Copper
Gas			Glass			Consumer Goods
Ice			Iron			Electric Power
Liquefied Natural Gas (LNG)			Liquefied Petroleum Gas (LPG)			Fertilizer
Metal			Milk			Fish
Munitions			No Information			Frozen Water
Not Applicable			Nuclear Fuel			Fruit
Paper			Petrochemical			Gold
Petroleum and/or Natural Gas			Petroleum Lubricant			Heating Steam and/or Water
Prestressed Concrete			Radioactive Material			Lead
Salt			Sewage			Lime
Steel			Sugar			Lumber
Uranium			Vegetation Product			Milled Grain
Wine			Zinc			No Product
						Olive Oil
						Petrol
						Phosphorus
						Rice
						Silver
						Textile
						Water
						Whale Products
Manufacturing Information : Raw Material	3	No Information	Enumeration	Unitless	0	The principal 'raw', or input, material(s) involved in a production activity. [Description] If multiple 'raw' materials are specified then they are usually listed in descending order of importance.

allowed values:	Aluminum Chemical Copper Gold Lumber No Raw Material Paper Radioactive Material Snow Tobacco Wood	Asphalt Clay Cotton Ice Manganese Oil Petroleum and/or Natural Gas Rubber Steel Uranium Zinc	Bauxite Coal Gas Iron Metal Ore Plant Material Sewage Sugar Vegetation	Cement Coke Glass Lead No Information Other Plastic Silver Textile Water		
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values:	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					

Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: NonBuildingStructure (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 NonBuildingStructure (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 NonBuildingStructure (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 NonBuildingStructure (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 NonBuildingStructure (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 NonBuildingStructure (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 NonBuildingStructure (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 NonBuildingStructure (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 NonBuildingStructure (Point 00) - is a member of group - Exactly one - StructurePnt (FeatureGroup 00)

Feature NonSpatialMdEntCollect (Area 00)New ☐ Non-spatial Metadata Entity Collection

A resource that collects instances of one or more modeling entities that share common source(s) and processing step(s) as the basis for their digital non-spatial representation. [Description] The modeling entity specifies metadata regarding the type(s) of data that were used to define the digital representation of the non-spatial component(s) of the entity collection. For example, an existing vertical obstruction dataset may be used to populate accurate height or material type attributes, or a land navigation dataset may be used to populate accurate road width, clearance, and/or surface composition attributes.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Feature Code	1	ZI041	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> ZI041						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: NonSpatialMdEntCollect (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 NonSpatialMdEntCollect (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 NonSpatialMdEntCollect (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 NonSpatialMdEntCollect (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 NonSpatialMdEntCollect (Area 00) - is a member of group - Exactly one - CollectionSrf (FeatureGroup 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - PipelineCrossingPoint (Point 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - StormDrain (Point 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - StreetLamp (Point 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - StreetSign (Point 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - ContaminatedRegion (Area 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - ContaminatedRegion (Point 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - AdministrativeDivision (Area 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - AerationBasin (Area 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - AerialFarm (Area 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - AerialFarm (Point 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - AquaticVegetation (Area 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - AquaticVegetation (Point 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - AstronomicalObservatory (Area 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - AstronomicalObservatory (Point 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Billboard (Point 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Borehole (Point 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Brush (Area 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - MaritimeCautionArea (Area 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - ConservationArea (Area 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - CoolingFacility (Area 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - CoolingFacility (Point 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - CulturalContextLocation (Area 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - CulturalContextLocation (Point 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Desert (Area 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - DredgedArea (Area 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - FeatureAttGAMetadata (Area 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - FeatureGAMetadata (Area 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - ForestClearing (Area 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - FuelStorageFacility (Area 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - FuelStorageFacility (Point 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - GeopoliticalEntity (Area 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Grove (Area 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Grove (Point 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - IceCap (Area 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - IceRoute (Line 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - IndustrialFarm (Area 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - IndustrialFarm (Point 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - IndustrialFurnace (Area 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - IndustrialFurnace (Point 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Installation (Area 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Installation (Point 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - MaritimeRadiobeacon (Point 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - MineShaftSuperstructure (Area 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - MineShaftSuperstructure (Point 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - MunitionStorageFacility (Area 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - MunitionStorageFacility (Point 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - NonBuildingStructure (Area 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - NonBuildingStructure (Point 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - NuclearReactorContainment (Area 00)

NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - NuclearReactorContainment (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - OfficePark (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - OffshoreConstruction (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - OffshoreConstruction (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Port (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Port (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - RailwaySignal (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - RetailStand (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Scoreboard (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - ShoppingComplex (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - ShorelineRamp (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - ShorelineRamp (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - SolarFarm (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - SolarFarm (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - SpaceFacility (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - SpaceFacility (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Stable (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Stable (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - TetheredBalloon (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Tomb (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Tomb (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - TunnelMouth (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - WaterMill (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - WaterMill (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - WaterWell (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - WaterWell (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Waterwork (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Waterwork (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - WeighStation (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - WeighStation (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - WindFarm (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - WindFarm (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - AdministrativeBoundary (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - AircraftRevetment (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - AeroNavaid (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - AircraftHangar (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - AircraftHangar (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Apron (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Amphitheatre (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Amphitheatre (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - AmusementPark (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - AmusementPark (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - AmusementParkAttraction (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - AmusementParkAttraction (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - AmusementParkAttraction (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Anchor (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Anchorage (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Anchorage (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Zoo (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Zoo (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Aerial (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Aqueduct (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Aqueduct (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Arcade (Area 00)

NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Arcade (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - ArcheologicalSite (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - ArcheologicalSite (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - AsphaltLake (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - SportsGround (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - SportsGround (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - MotorVehicleStation (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - MotorVehicleStation (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Barn (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Barn (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Beach (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - BeachProfile (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - MaritimeNavigationBeacon (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Benchmark (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - BlastFurnace (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - BlastFurnace (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - VesselLift (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Bog (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - BotanicGarden (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - BottomCharacterRegion (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - BottomCharacterRegion (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - BoundaryMonument (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Bridge (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Bridge (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Bridge (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - BridgePier (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - BridgePier (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - BridgePier (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - BridgeSpan (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - BridgeSpan (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - BridgeSpan (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - BridgeSuperstructure (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - BridgeSuperstructure (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - BridgeTower (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Thicket (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - BucketElevator (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - BucketElevator (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Building (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Building (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - BuildingSuperstructure (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - BuildingSuperstructure (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - BuildingSuperstructure (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - BuiltUpArea (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - BuiltUpArea (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Cairn (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - CallingInPoint (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Camp (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Camp (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - CampSite (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - CampSite (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Canal (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Canal (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - CartTrack (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Castle (Area 00)

NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Castle (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - CatalyticCracker (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - CatalyticCracker (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Cemetery (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Cemetery (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Checkpoint (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Cistern (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Smokestack (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - ControlTower (Area 00)
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NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - SlopeRegion (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - SluiceGate (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - SluiceGate (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - SmallCraftFacility (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - SmallCraftFacility (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Snag (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - SolarPanel (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - SolarPanel (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Sounding (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Spillway (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Spillway (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - SpotElevation (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Stadium (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Stadium (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Stair (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Stair (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - InsubstantialNavMark (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - SteepGrade (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - SteepGrade (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - SurfaceBunker (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - SurfaceBunker (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - ShippingContainer (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - ShippingContainer (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - StorageDepot (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - StorageDepot (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - StorageTank (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - StorageTank (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - StructuralPile (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - StructuralPile (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - HazardousRock (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - GeodeticPoint (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Swamp (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - SweptArea (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - SwimmingPool (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - SwimmingPool (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Orchard (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Orchard (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Taxiway (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Taxiway (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Cableway (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Cut (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Depression (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Depression (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - TestSite (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - TidalStreamObserveStation (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Tower (Area 00)

NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Tower (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - TrafficSeparationScheme (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - TrafficSeparationScheme (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - TrafficSeparationScheme (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Trail (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - TrainingSite (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - TrainingSite (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - TransportationBlock (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - TransportationBlock (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - TransportationStation (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - TransportationStation (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Tree (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Tundra (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Tunnel (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Tunnel (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - UndergroundBunker (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - UndergroundBunker (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - UndergroundDwelling (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - VehicleBarrier (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - VehicleBarrier (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - VehicleLot (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Berth (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Vineyard (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Vineyard (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - VoidCollectionArea (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - VolcanicDyke (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Volcano (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Volcano (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Wall (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - WaterbodyDivider (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - TidalWater (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - WaterIntakeTower (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - WaterIntakeTower (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - WaterTower (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - WaterTower (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - WaterTreatmentBed (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - WaterTurbulence (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - WaterTurbulence (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - WaterTurbulence (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Waterfall (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Waterfall (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - NaturalPool (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - NaturalPool (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - FiringRange (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - FiringRange (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - WindTurbine (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Windmill (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Windmill (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Cane (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - FireHydrant (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - MaritimeSignalStation (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Parcel (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Crevice (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Crevice (Line 00)

NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Embankment (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Embankment (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - SkiRun (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - SkiRun (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - CaravanPark (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - AerodromeBeacon (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - BasinGate (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - BasinGate (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - CastleComplex (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - CastleComplex (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - CausewayStructure (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - CausewayStructure (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - CutLine (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - EngineeredEarthwork (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - EngineeredEarthwork (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - FishFarmFacility (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - FishFarmFacility (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - FloodControlStructure (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - FloodControlStructure (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - FloodControlStructure (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - FortifiedBuilding (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - FortifiedBuilding (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - InlandWaterbody (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - InlandWaterbody (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - LandAerodrome (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - LandAerodrome (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - MaricultureSite (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - MemorialMonument (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - MemorialMonument (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - MemorialMonument (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - QanatShaft (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Railway (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - SewageTreatmentPlant (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - SewageTreatmentPlant (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - ShipElevator (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - ShipElevator (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - ShipElevator (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - TransRouteCharacterChange (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - TransRouteCharacterChange (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - TransRouteProtectStruct (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - TransRouteProtectStruct (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - TransRouteProtectStruct (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - WaterAerodrome (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - WaterAerodrome (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - WaterRace (Line 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - CaveChamber (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - CaveMouth (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - NonWaterWell (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - WaterMovementDataLocation (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - SnowIceField (Area 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - ControlPoint (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - LandingZone (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - TrafficLight (Point 00)
NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - InstallationBoundary (Area 00)

NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - CantonmentArea (Area 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - WasteHeap (Area 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - WasteHeap (Point 00)
 NonSpatialMdEntCollect (Area 00) - provides metadata for - Zero or more - Aquifer (Area 00)

Feature NonWaterWell (Point 00)

New ☐ Non-water Well

A shaft sunk into the ground to reach and tap a supply of liquids and/or gases other than water intended for use in agriculture or domestic consumption. [Description] Typically drilled to tap underground reservoirs of hydrocarbons (for example: petroleum or natural gas). May also, for example, yield geothermally heated liquids for use in power generation or heating, or brine for use in the extraction of salt.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AA054	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AA054						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Brine Hydrothermal Fluid Other			Coalbed Methane Liquefied Petroleum Gas (LPG) Petroleum			Gas Natural Gas Condensate Helium No Information
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)			Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Rig Present	1	No Information	Boolean	Unitless	0	An indication that a rig is present. [Description] A rig is a superstructure fitted for drilling or lifting operations for extraction and/or exploitation of natural resources.
<i>allowed values:</i> False			No Information			True
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i>	No Information					
Well Equipment	3	No Information	Enumeration	Unitless	0	The type(s) of equipment attached to or adjacent to a wellbore. [Description] A wellbore is the openhole or uncased portion of a well.
<i>allowed values:</i>	Capped Other Separator		Christmas Tree Protective Structure Stock Tank		Manifold Pump Treater	No Information Rod Pump Wellhead
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: NonWaterWell (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 NonWaterWell (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 NonWaterWell (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 NonWaterWell (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 NonWaterWell (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 NonWaterWell (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 NonWaterWell (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 NonWaterWell (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 NonWaterWell (Point 00) - is a member of group - Exactly one - IndustryPnt (FeatureGroup 00)

Feature NuclearReactorContainment (Area 00)

New ☐ Nuclear Reactor Containment

A building-like structure intended to create a barrier against the release of radioactivity generated during nuclear power operations. [Description] The structure is usually heavily reinforced. It houses equipment used to manage a self-sustaining nuclear reaction of fissile material. The consequent release of energy may be used to generate electricity, as in a power plant.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i>	False					No Information True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i>	-999999					
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i>	Civilian National Public		International No Information State		Joint Military and Civilian Other	Military Private
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i>	-999999					
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i>	No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational	Operational

New	Feature Code	1	AD041	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<u>allowed values:</u> AD041						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999						
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999						
New	Least Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling.
	<u>allowed values:</u> -999999						
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<u>allowed values:</u> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<u>allowed values:</u> U						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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NuclearReactorContainment (Area 00)

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	No Information						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.	
allowed values:	Conical Other		Domed Pitched			Flat Sawtoothed	No Information Semi-cylindrical
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:	No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values:	No Information						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).	
allowed values:	Concrete Reinforced Concrete		No Information Steel			Other	Prestressed Concrete
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.	
allowed values:	No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	
allowed values:	No Information						

Relationships: NuclearReactorContainment (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 NuclearReactorContainment (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 NuclearReactorContainment (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 NuclearReactorContainment (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 NuclearReactorContainment (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 NuclearReactorContainment (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 NuclearReactorContainment (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 NuclearReactorContainment (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 NuclearReactorContainment (Area 00) - is a member of group - Exactly one - UtilityInfrastructureSrf (FeatureGroup 00)

Feature NuclearReactorContainment (Point 00) New ☐ Nuclear Reactor Containment

A building-like structure intended to create a barrier against the release of radioactivity generated during nuclear power operations. [Description] The structure is usually heavily reinforced. It houses equipment used to manage a self-sustaining nuclear reaction of fissile material. The consequent release of energy may be used to generate electricity, as in a power plant.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> <i>False</i>			<i>No Information</i>			<i>True</i>
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> <i>-999999</i>						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International <i>No Information</i> State			Joint Military and Civilian <i>Other</i> Military Private
<i>New</i> Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i> <i>-999999</i>						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> <i>No Information</i> <i>Partially Operational</i>			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
<i>New</i> Feature Code	1	AD041	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> <i>AD041</i>						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> <i>No Information</i>						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> <i>-999999</i>						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> <i>-999999</i>						
<i>New</i> Least Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling.

<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
New Physical Condition	1	No Information	No Information		True	
			Enumeration	Unitless		
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation Intact Under Construction	
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)		Army Geographic Institute (Portugal)	
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)		Defence Imagery and Geospatial Organisation (Australia)	
General Command of Mapping (Turkey)			Geographic Service (Belgium)		Geographic Service of the Czech Armed Forces (Czech Republic)	
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)		Joint Geography Bureau (France)	
Mapping Service (Hungary)			Military Geographic Group (Estonia)		Military Geographic Service (Norway)	
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)		Military Topographic Service (Bulgaria)	
No Information			Other		Swedish Armed Forces (Sweden)	
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)		U.S. Air Force	
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)		U.S. Central Intelligence Agency (CIA)	
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)		U.S. Department of Homeland Security (DHS)	
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)		U.S. Geological Survey (USGS)	
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)		U.S. National Geospatial-Intelligence Agency (NGA)	
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)		U.S. Navy	
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)		U.S. Special Operations Command (USSOCOM)	
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical Other			Domed Pitched			Flat Sawtoothed No Information Semi-cylindrical
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Concrete Reinforced Concrete			No Information Steel			Other Prestressed Concrete
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: NuclearReactorContainment (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 NuclearReactorContainment (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 NuclearReactorContainment (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 NuclearReactorContainment (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 NuclearReactorContainment (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 NuclearReactorContainment (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 NuclearReactorContainment (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 NuclearReactorContainment (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 NuclearReactorContainment (Point 00) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup 00)

Feature Oasis (Area 00)New ☐ Oasis**A small, isolated, fertile or green area in a desert region usually having a spring or well.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Feature Code	1	EC020	CONSTRAINED_STRING	Unitless	5	Feature Code

allowed values: EC020

Geographic Name Information : Full Name		1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.	
<i>allowed values:</i> No Information								
Length		1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999								
Note : Memorandum		1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information								
Geographic Name Information : Name Identifier		1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information								
New	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical state of a structure, or site, as a whole.	
	<i>allowed values:</i> <div>Damaged No Information Under Construction</div>			<div>Destroyed Other Unmaintained</div>			<div>Dismantled Ruined</div>	<div>Intact Site Preparation</div>
Restriction Information : Security Attributes Group (resource classification)		1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i> U								
Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
<i>allowed values:</i>								

allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Vegetation Trafficability Impact	1	[-999999, -999999]	Real_Interval	Percent		The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
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allowed values: [-999999, -999999]

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Oasis (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Oasis (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Oasis (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Oasis (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Oasis (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Oasis (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Oasis (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Oasis (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Oasis (Area 00) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup 00)

Feature Oasis (Point 00)New ☐ Oasis**A small, isolated, fertile or green area in a desert region usually having a spring or well.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999

New Feature Code	1	EC020	CONSTRAINED_STRING	Unitless	5	Feature Code
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allowed values: EC020

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

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless	0	The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Under Construction			Destroyed Other Unmaintained			Dismantled Ruined Intact Site Preparation
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)
			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)			Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)
						Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						

Vegetation Trafficability Impact	1	[-999999, -999999]	Real_Interval	Percent		The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
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allowed values: [-999999, -999999]

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Oasis (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Oasis (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Oasis (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Oasis (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Oasis (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Oasis (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Oasis (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Oasis (Point 00) - is a member of group - Exactly one - PhysiographyPnt (FeatureGroup 00)
 Oasis (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature OfficePark (Area 00)

New ☐ Office Park

A commercial facility consisting of multiple office buildings tenanted by one or more non-retail businesses (for example: corporate management, consulting services, or research and development) and supportive businesses (for example: a restaurant serving mid-day meals or a post office) that share a common park-like setting consisting of landscaping (for example: lawns, ornamental plantings, or ponds), parking facilities, and common entrances from adjacent roads. [Description] May also include commercial tenants involved in light industry (for example: gem cutting or specialized electronics manufacture).

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

allowed values: No Information

Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
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allowed values: -999999

Manufacturing Information : By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.
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allowed values: Ash Cinders No Byproduct No Information
 Other Radioactive Material Refuse Scrap-metal
 Sewage Slag

Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
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allowed values: Civilian International Joint Military and Civilian Military
 National No Information Other Private
 Public State

Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
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allowed values: No Information Non-operational Not in Operation Operational
 Partially Operational Planned Temporarily Non-operational

New Feature Code	1	AG040	CONSTRAINED_STRING	Unitless	5	Feature Code
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allowed values: AG040

Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
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<i>allowed values:</i>	Accommodation	Accounting	Administration	Advertising
	Architecture Consulting	Bar	<i>Business and Personal Support Services</i>	Business Management
	Call Centre	Central Banking	Civil Intelligence	Consul
	Custodial Service	Day Care	Education	Emergency Operations
	Emergency Relief Services	Employment Agency	Engineering Design	Financial Market Administration
	Financial Services	Fitness Centre	Fund Management	Government
	Head Office	Insurance	Landscaping Service	Laundry
	Law Enforcement	Legal Activities	Local Government	Meeting Place
	Military Recruitment	Motor Vehicle Parking	Motor Vehicle Rental	No Information
	Office Administration	Other	Place of Worship	<i>Professional, Scientific and Technical</i>
	<i>Public Administration</i>	Public Health Activities	Radio Broadcasting	Real Estate Activities
	Restaurant	Restroom	Retail Banking	Scientific Research and Development
	Security Brokerage	Station	Subnational Government	Surveying
	Telecommunications	Television Broadcasting	Travel Agency	Urgent Medical Care
	Vocational Education	Wholesale Merchant		

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

allowed values: No Information

Height Above Surface Level 1 -999999 REAL Metre 0 The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.

allowed values: -999999

Highest Elevation 1 -999999 REAL Metre 0 The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.

allowed values: -999999

Length 1 -999999 REAL Metre 0 The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

allowed values: -999999

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

allowed values: No Information

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

allowed values: No Information

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

allowed values: False

No Information

True

New Physical Condition 1 No Information Enumeration Unitless 0 The physical state of a structure, or site, as a whole.

allowed values: Damaged
No Information
Unmaintained

Destroyed
Ruined

Dismantled
Site Preparation

Intact
Under Construction

Manufacturing Information : Product 3 No Information Enumeration Unitless 0 The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.

allowed values:	Aircraft Biochemical Chemical Coke Cotton Electronic Equipment Fluorine Gas Ice Liquefied Natural Gas (LNG) Metal Munitions <i>Not Applicable</i> Paper Petroleum and/or Natural Gas Prestressed Concrete Salt Steel Uranium Wine	Aluminum Biodiesel Clothing Concrete Desalinated Water Explosive Food Glass Iron Liquefied Petroleum Gas (LPG) Milk <i>No Information</i> Nuclear Fuel Petrochemical Petroleum Lubricant Radioactive Material Sewage Sugar Vegetation Product Zinc	Ammunition Brick Coal Consumer Goods Electric Power Fertilizer Frozen Water Gold Lead Lumber Milled Grain No Product Olive Oil Petrol Phosphorus Rice Silver Textile Water	Asphalt Cement Coffee Copper Electrical Equipment Fish Fruit Heating Steam and/or Water Lime Manganese Motor Vehicle Non-solid Hydrocarbon Fuel <i>Other</i> Petroleum Plastic Rubber Snow Tobacco Whale Products		
Manufacturing Information : Raw Material	3	No Information	Enumeration	Unitless	0	The principal 'raw', or input, material(s) involved in a production activity. [Description] If multiple 'raw' materials are specified then they are usually listed in descending order of importance.
allowed values:	Aluminum Chemical Copper Gold Lumber No Raw Material Paper Radioactive Material Snow Tobacco Wood	Asphalt Clay Cotton Ice Manganese Oil Petroleum and/or Natural Gas Rubber Steel Uranium Zinc	Bauxite Coal Gas Iron Metal Ore Plant Material Sewage Sugar Vegetation	Cement Coke Glass Lead <i>No Information</i> <i>Other</i> Plastic Silver Textile Water		
Religious Information : Religious Designation	1	No Information	Enumeration	Unitless	0	A designation denoting a religion or system of belief.
allowed values:	Buddhism Islam Orthodox Shia	Chaldean Judaism <i>Other</i> Shinto	Christian Nestorian Protestant Sunni	Hinduism <i>No Information</i> Roman Catholic		
Religious Information : Religious Facility Type	1	No Information	Enumeration	Unitless	0	The type of a facility, building, structure or site that is designed and designated to be used for religious activities, based on its structure and/or the principal activity for which it was designed.
allowed values:	Burial Site Convent Mission Noviciate Retreat Synagogue	Cathedral Hermitage Monastery <i>Other</i> Seminary Tabernacle	Chapel Marabout Mosque Pagoda Shrine Temple	Church Minaret <i>No Information</i> Religious Community Stupa		
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values:	<i>U</i>					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					
Wireless Telecommunication Information : Wireless Telecommunication Type	1	No Information	Enumeration	Unitless	0	The type of a wireless telecommunication service based on the mechanism(s) of transmission and/or the nature of the communication(s) supported. [Description] For example, radio broadcast or mobile phone service.
allowed values:	Cellular Phone Other Television (TV)		Microwave Radio Relay Radio Broadcast			Mobile Phone Radio Telephone No Information Radio-telegraph

Relationships: OfficePark (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 OfficePark (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 OfficePark (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 OfficePark (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 OfficePark (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 OfficePark (Area 00) - is a member of group - Exactly one - FacilitySrf (FeatureGroup 00)
 OfficePark (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)

Feature OffshoreConstruction (Area 00)New ☐ Offshore Construction

An artificial structure that is located offshore. [Description] It usually has a surface that is raised above the sea and may be used as a working stage for conducting offshore operations (for example: drilling for petroleum and/or natural gas, loading and/or unloading vessels, or navigation support).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> <i>False</i>			<i>No Information</i>			<i>True</i>
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> <i>-999999</i>						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> <i>-999999</i>						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International <i>No Information</i> State			Joint Military and Civilian <i>Other</i> Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> <i>No Information</i> <i>Partially Operational</i>			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	BD115	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> <i>BD115</i>						
Fog Signal Type	1	No Information	Enumeration	Unitless		The type of a fog signal based on its signal characteristics and method of generation.
<i>allowed values:</i> Bell Horn <i>Other</i>			Diaphone <i>No Information</i> Reed			Explosive None Siren Gong <i>Not Applicable</i> Whistle
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> <i>No Information</i>						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> <i>-999999</i>						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> <i>-999999</i>						

Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Hydrographic Vertical Positioning Information : Maritime Navigation Marked	1	No Information	Boolean	Unitless	0	An indication that a feature is significant to maritime safety of navigation and is marked (for example: by a light or beacon) by a maritime-specific navigational aid. [Description] Mariners may also use other prominent features (for example: rotating aeronautical beacons or lighted structures) for informal navigational purposes.
<i>allowed values:</i> FALSE			No Information			TRUE
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Navigation System Type	3	No Information	Enumeration	Unitless		The type(s) of equipment or system used in electronic navigation.
<i>allowed values:</i> No Information Radar Responder Beacon (RACON)			None		Other	Radar Marker (RAMARK)
Offshore Construction Primary Structure	1	No Information	Enumeration	Unitless	0	The type of primary structure of an offshore construction upon which various pieces of operation-specific equipment are affixed.
<i>allowed values:</i> Barge Platform Vessel			Catenary Turntable Submerged Platform		No Information Submerged Turret	Other Terminal Buoy
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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OffshoreConstruction (Area 00)

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
allowed values:	Aluminum No Information		Concrete Other			Iron Steel Metal Treated Timber
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: OffshoreConstruction (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 OffshoreConstruction (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 OffshoreConstruction (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 OffshoreConstruction (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 OffshoreConstruction (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 OffshoreConstruction (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 OffshoreConstruction (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)

Feature OffshoreConstruction (Point 00)New ☐ Offshore Construction

An artificial structure that is located offshore. [Description] It usually has a surface that is raised above the sea and may be used as a working stage for conducting offshore operations (for example: drilling for petroleum and/or natural gas, loading and/or unloading vessels, or navigation support).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			<i>No Information</i>			<i>True</i>
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International <i>No Information</i> State			Joint Military and Civilian <i>Other</i> Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> <i>No Information</i> <i>Partially Operational</i>			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	BD115	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BD115						
Fog Signal Type	1	No Information	Enumeration	Unitless		The type of a fog signal based on its signal characteristics and method of generation.
<i>allowed values:</i> Bell Horn <i>Other</i>			Diaphone <i>No Information</i> Reed			Explosive None Siren Gong <i>Not Applicable</i> Whistle
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> <i>No Information</i>						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						

Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Hydrographic Vertical Positioning Information : Maritime Navigation Marked	1	No Information	Boolean	Unitless	0	An indication that a feature is significant to maritime safety of navigation and is marked (for example: by a light or beacon) by a maritime-specific navigational aid. [Description] Mariners may also use other prominent features (for example: rotating aeronautical beacons or lighted structures) for informal navigational purposes.
<i>allowed values:</i> FALSE			No Information			TRUE
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Navigation System Type	3	No Information	Enumeration	Unitless		The type(s) of equipment or system used in electronic navigation.
<i>allowed values:</i> No Information Radar Responder Beacon (RACON)			None		Other	Radar Marker (RAMARK)
Offshore Construction Primary Structure	1	No Information	Enumeration	Unitless	0	The type of primary structure of an offshore construction upon which various pieces of operation-specific equipment are affixed.
<i>allowed values:</i> Barge Platform Vessel			Catenary Turntable Submerged Platform		No Information Submerged Turret	Other Terminal Buoy
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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OffshoreConstruction (Point 00)

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)	
U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration	
U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)	
U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)	
U.S. Transportation Command (USTRANSCOM)				
Restriction Information : Security Attributes Group (resource non-intelligence community markings)				
allowed values:	No Information			
Restriction Information : Security Attributes Group (resource owner-producer)				
allowed values:	No Information			
Specified Domain Values(s)				
allowed values:	No Information			
Unique Entity Identifier				
allowed values:	No Information			
Vertical Construction Material				
allowed values:	Aluminum	Concrete	Iron	Metal
	No Information	Other	Steel	Treated Timber
Vertical Obstruction Identifier				
allowed values:	No Information			
Width				
allowed values:	-999999			

Relationships: OffshoreConstruction (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 OffshoreConstruction (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 OffshoreConstruction (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 OffshoreConstruction (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 OffshoreConstruction (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 OffshoreConstruction (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 OffshoreConstruction (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 OffshoreConstruction (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 OffshoreConstruction (Point 00) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup 00)

Feature Orchard (Area 00) New ☐ Orchard

A tract covered by systematic plantings of trees that yield fruits (including nuts).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Canopy Cover	1	-999999	REAL	Percent	0	The fraction of canopy cover within a defined area during the season of maximum foliage. [Description] The canopy is formed by the upper branches of the trees in a forest forming a more or less continuous layer.
<i>allowed values:</i> -999999						
Crop Information : Crop Species	3	No Information	Enumeration	Unitless	0	The predominant species of a crop land.
<i>allowed values:</i> Almond Chestnut Fruit Tree Olive Peach			Apple Citrus Hazelnut Ornamental Crop Walnut			Berry Coconut Maple Other Carob Date No Information Palmetto
Crop Information : Farming Pattern	3	No Information	Enumeration	Unitless	0	The general arrangement(s) and/or pattern(s) of farming fields.
<i>allowed values:</i> Intermingled Trees No Information Treeless			Intermingled Woods Other Trellised			Irregular Regular Linear Terraced
New Feature Code	1	EA040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> EA040						
Foliage Type	1	No Information	Enumeration	Unitless	0	The predominant foliage type of the vegetation.
<i>allowed values:</i> Deciduous Other			Evergreen			Mixed No Information
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Crop Information : Irrigation Method	1	No Information	Enumeration	Unitless	0	The method used to supply crops with water.

<i>allowed values:</i>	Center Pivot Other		Furrow Overhead			Linear Move	No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i>	-999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i>	No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i>	No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
<i>allowed values:</i>	False		No Information			True	
Predominant Vegetation Height	1	-999999	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the vegetation.	
<i>allowed values:</i>	-999999						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i>	U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)			
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
<i>allowed values:</i>	No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	

allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Stem Diameter	1	[-999999, -999999]	REAL_Interval	Metre	0	The average diameter of the tree trunks in an area, measured at a height of approximately 1.5 metres or 4.5 feet on the high side (if on a hillside) above the surface of the ground. [Description] Commonly referred to as the 'diameter at breast height' (dbh). For trees up to 2 metres high, the stem diameter is measured at the mid-point between the ground and the stem tip.
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allowed values: [-999999, -999999]
 Greater-than to Less-than-or-equal Interval
 Open Interval

Closed Interval
 Greater-than-or-equal to Less-than Interval

Greater-than or Equal Semi-interval
 Less-than or Equal Semi-interval

Greater-than Semi-interval
 Less-than Semi-interval

Tree Spacing	1	[-999999, -999999]	REAL_Interval	Metre	0	The average tree spacing between trees in a stand, determined from centre to centre of adjacent trees.
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allowed values: [-999999, -999999]
 Greater-than to Less-than-or-equal Interval
 Open Interval

Closed Interval
 Greater-than-or-equal to Less-than Interval

Greater-than or Equal Semi-interval
 Less-than or Equal Semi-interval

Greater-than Semi-interval
 Less-than Semi-interval

Undergrowth Density	1	[-999999, -999999]	REAL_Interval	Percent	0	The fraction of land within a defined area that is covered by undergrowth (for example: scrub, brush, and/or bush).
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allowed values: [-999999, -999999]

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Vegetation Trafficability Impact	1	[-999999, -999999]	Real_Interval	Percent		The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
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allowed values: [-999999, -999999]

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Orchard (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Orchard (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Orchard (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Orchard (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Orchard (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Orchard (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Orchard (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Orchard (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Orchard (Area 00) - is a member of group - Exactly one - AgricultureSrf (FeatureGroup 00)

Feature Orchard (Point 00)New ☐ Orchard**A tract covered by systematic plantings of trees that yield fruits (including nuts).**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999

Canopy Cover	1	-999999	REAL	Percent	0	The fraction of canopy cover within a defined area during the season of maximum foliage. [Description] The canopy is formed by the upper branches of the trees in a forest forming a more or less continuous layer.
<u>allowed values:</u> -999999						
Crop Information : Crop Species	3	No Information	Enumeration	Unitless	0	The predominant species of a crop land.
<u>allowed values:</u> Almond Chestnut Fruit Tree Olive Peach			Apple Citrus Hazelnut Ornamental Crop Walnut			Berry Coconut Maple Other Carob Date No Information Palmetto
Crop Information : Farming Pattern	3	No Information	Enumeration	Unitless	0	The general arrangement(s) and/or pattern(s) of farming fields.
<u>allowed values:</u> Intermingled Trees No Information Treeless			Intermingled Woods Other Trellised			Irregular Regular Linear Terraced
New Feature Code	1	EA040	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> EA040						
Foliage Type	1	No Information	Enumeration	Unitless	0	The predominant foliage type of the vegetation.
<u>allowed values:</u> Deciduous Other			Evergreen			Mixed No Information
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Crop Information : Irrigation Method	1	No Information	Enumeration	Unitless	0	The method used to supply crops with water.
<u>allowed values:</u> Center Pivot Other			Furrow Overhead			Linear Move No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Predominant Vegetation Height	1	-999999	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the vegetation.
<i>allowed values:</i> -999999						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Stem Diameter	1	[-999999, -999999]	REAL_Interval	Metre	0	The average diameter of the tree trunks in an area, measured at a height of approximately 1.5 metres or 4.5 feet on the high side (if on a hillside) above the surface of the ground. [Description] Commonly referred to as the 'diameter at breast height' (dbh). For trees up to 2 metres high, the stem diameter is measured at the mid-point between the ground and the stem tip.
<i>allowed values:</i>						
[-999999, -999999]			Closed Interval			Greater-than or Equal Semi-interval
Greater-than to Less-than-or-equal Interval			Greater-than-or-equal to Less-than Interval			Less-than or Equal Semi-interval
Open Interval						Greater-than Semi-interval
						Less-than Semi-interval
Tree Spacing	1	[-999999, -999999]	REAL_Interval	Metre	0	The average tree spacing between trees in a stand, determined from centre to centre of adjacent trees.
<i>allowed values:</i>						
[-999999, -999999]			Closed Interval			Greater-than or Equal Semi-interval
Greater-than to Less-than-or-equal Interval			Greater-than-or-equal to Less-than Interval			Less-than or Equal Semi-interval
Open Interval						Greater-than Semi-interval
						Less-than Semi-interval

Undergrowth Density	1	[-999999, -999999]	REAL_Interval	Percent	0	The fraction of land within a defined area that is covered by undergrowth (for example: scrub, brush, and/or bush).
<i>allowed values:</i> [-999999, -999999]						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vegetation Trafficability Impact	1	[-999999, -999999]	Real_Interval	Percent		The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
<i>allowed values:</i> [-999999, -999999]						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Orchard (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
Orchard (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
Orchard (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
Orchard (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
Orchard (Point 00) - is a member of group - Exactly one - AgriculturePnt (FeatureGroup 00)
Orchard (Point 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
Orchard (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature OutdoorTheatreScreen (Line 00)New ☐ Outdoor Theatre Screen**A large outdoor screen for showing motion pictures.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False						
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information						
<i>allowed values:</i> Partially Operational						
<i>allowed values:</i> Non-operational						
<i>allowed values:</i> Planned						
<i>allowed values:</i> Temporarily Non-operational						
New Feature Code	1	AK080	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK080						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Height of Object	1	-999999	REAL	Metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Thickness	1	-999999	REAL	Metre	0	The distance between the two opposite surfaces of an object, usually the distance of smallest measure. [Description] The third dimension of an object, distinct from length and width (breadth).
allowed values: -999999						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values: No Information						

Relationships: OutdoorTheatreScreen (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 OutdoorTheatreScreen (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 OutdoorTheatreScreen (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 OutdoorTheatreScreen (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 OutdoorTheatreScreen (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 OutdoorTheatreScreen (Line 00) - is a member of group - Exactly one - RecreationCrv (FeatureGroup 00)

Feature OutdoorTheatreScreen (Point 00)

New ☐ Outdoor Theatre Screen

A large outdoor screen for showing motion pictures.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
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Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<u>allowed values:</u> <i>False</i>			No Information			<i>True</i>
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> <i>-999999</i>						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> <i>-999999</i>						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> <i>No Information</i> <i>Partially Operational</i>			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AK080	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> <i>AK080</i>						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> <i>No Information</i>						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> <i>-999999</i>						
Height of Object	1	-999999	REAL	Metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<u>allowed values:</u> <i>-999999</i>						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> <i>-999999</i>						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> <i>-999999</i>						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> <i>No Information</i>						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> <i>No Information</i>						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> <i>False</i>			No Information			<i>True</i>
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.

<i>allowed values:</i> <i>Damaged</i> No Information <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>			<i>Dismantled</i> <i>Site Preparation</i>	<i>Intact</i> <i>Under Construction</i>
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i> <i>U</i>							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
<i>allowed values:</i> No Information							
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
<i>allowed values:</i> No Information							
Thickness	1	-999999	REAL	Metre	0	The distance between the two opposite surfaces of an object, usually the distance of smallest measure. [Description] The third dimension of an object, distinct from length and width (breadth).	
<i>allowed values:</i> -999999							
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
<i>allowed values:</i> No Information							
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.	
<i>allowed values:</i> No Information							

Relationships: OutdoorTheatreScreen (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 OutdoorTheatreScreen (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 OutdoorTheatreScreen (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 OutdoorTheatreScreen (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 OutdoorTheatreScreen (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 OutdoorTheatreScreen (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 OutdoorTheatreScreen (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 OutdoorTheatreScreen (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 OutdoorTheatreScreen (Point 00) - is a member of group - Exactly one - RecreationPnt (FeatureGroup 00)

Feature OverheadObstruction (Line 00)New ☐ Overhead Obstruction

An overhead obstruction (for example: an underpass, an overhead pipeline, and/or the overhang of a building) on a transportation route.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Bypass Condition	1	No Information	Enumeration	Unitless	0	The ease or ability to circumvent a destroyed section of bridge, tunnel or pass within a distance of two kilometres from the feature. [Description] Bypass condition will not consider other bridges in bypass determination.
<i>allowed values:</i> Difficult						
Deck Level	1	-999999	REAL	Unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information						
<i>Partially Operational</i>						
New Feature Code	1	AL155	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL155						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Overhead Clearance	1	-999999	REAL	Metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.
<i>allowed values:</i> -999999						
Overhead Obstruction Type	1	No Information	Enumeration	Unitless	0	The type of an overhead obstruction based on its shape, structure and/or intended use.
<i>allowed values:</i> Arcade						
Building						
Conveyor						
Memorial Monument						
Overhead Walkway						
Railway Power Line						
Traffic Sign						
Arch Bridge Span						
Building Overhang						
Entrance and/or Exit						
No Information						
Parking Garage						
Roof						
Transportation Block						
Bridge Span						
Cable						
Frame Bridge Span						
Non-building Structure						
Pipeline						
Route-related Structure						
Transportation Route Protection Structure						
Bridge Superstructure						
Cableway						
Gantry						
Other						
Pipeline Crossing Point						
Scaffold						
Tunnel						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.

<i>allowed values:</i> <i>Damaged</i> No Information <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>			<i>Dismantled</i> <i>Site Preparation</i>	<i>Intact</i> <i>Under Construction</i>
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i> <i>U</i>							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
<i>allowed values:</i> No Information							
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
<i>allowed values:</i> No Information							
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.	
<i>allowed values:</i>	Canal Pedestrian		Inland Waterway Railway			No Information Road	Other
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
<i>allowed values:</i> No Information							

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: OverheadObstruction (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 OverheadObstruction (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 OverheadObstruction (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 OverheadObstruction (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 OverheadObstruction (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 OverheadObstruction (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 OverheadObstruction (Line 00) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup 00)

Feature OverheadObstruction (Point 00)

New ☐ Overhead Obstruction

An overhead obstruction (for example: an underpass, an overhead pipeline, and/or the overhang of a building) on a transportation route.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Bypass Condition	1	No Information	Enumeration	Unitless	0	The ease or ability to circumvent a destroyed section of bridge, tunnel or pass within a distance of two kilometres from the feature. [Description] Bypass condition will not consider other bridges in bypass determination.
<i>allowed values:</i> Difficult			Easy			Impossible
Deck Level	1	-999999	REAL	Unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information			Non-operational			Not in Operation
<i>Partially Operational</i>			Planned			Temporarily Non-operational
<i>Operational</i>						
New Feature Code	1	AL155	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL155						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Overhead Clearance	1	-999999	REAL	Metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.
<i>allowed values:</i> -999999						
Overhead Obstruction Type	1	No Information	Enumeration	Unitless	0	The type of an overhead obstruction based on its shape, structure and/or intended use.

New	allowed values:	Arcade Building Conveyor Memorial Monument Overhead Walkway Railway Power Line Traffic Sign	Arch Bridge Span Building Overhang Entrance and/or Exit No Information Parking Garage Roof Transportation Block	Bridge Span Cable Frame Bridge Span Non-building Structure Pipeline Route-related Structure Transportation Route Protection Structure	Bridge Superstructure Cableway Gantry Other Pipeline Crossing Point Scaffold Tunnel		
	Physical Condition	1	No Information	Enumeration	Unitless	The physical state of a structure, or site, as a whole.	
	allowed values:	Damaged No Information Unmaintained	Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction	
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	allowed values:	U					
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
	allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
	allowed values:	No Information					
	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
	allowed values:	No Information					
	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
	allowed values:	No Information					
	Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
	allowed values:	Canal Pedestrian	Inland Waterway Railway		No Information Road		Other

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: OverheadObstruction (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 OverheadObstruction (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 OverheadObstruction (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 OverheadObstruction (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 OverheadObstruction (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 OverheadObstruction (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 OverheadObstruction (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)

Feature PackIce (Area 00)

New ☐ Pack Ice

Term used in a wide sense to include any area of sea ice other than fast ice. [Description] Pack ice commonly consists of connected floating plates of ice and has a mosaic look. Fast ice is defined as sea ice which remains fast, generally in the position where originally formed, and which may attain a considerable thickness. Fast ice is found along coasts, where it is attached to the shore, or over shoals, where it may be held in position by islands, grounded icebergs, or grounded polar ice.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Feature Code	1	BJ070	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BJ070						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Seasonal Ice Limit	1	No Information	String	Unitless	14	The month of the seasonal limit of the presence of ice that poses a hazard to maritime traffic. [Description] Used to specify the month for which an ice limit line is determined; hazardous ice may be present up to the polar side of the ice limit line.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: PackIce (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 PackIce (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 PackIce (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 PackIce (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 PackIce (Area 00) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup 00)
 PackIce (Area 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 PackIce (Area 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
 PackIce (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 PackIce (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature PackIce (Line 00)

New ☐ Pack Ice

Term used in a wide sense to include any area of sea ice other than fast ice. [Description] Pack ice commonly consists of connected floating plates of ice and has a mosaic look. Fast ice is defined as sea ice which remains fast, generally in the position where originally formed, and which may attain a considerable thickness. Fast ice is found along coasts, where it is attached to the shore, or over shoals, where it may be held in position by islands, grounded icebergs, or grounded polar ice.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Feature Code	1	BJ070	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BJ070						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u> <div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<u>allowed values:</u> No Information						
Seasonal Ice Limit	1	No Information	String	Unitless	14	The month of the seasonal limit of the presence of ice that poses a hazard to maritime traffic. [Description] Used to specify the month for which an ice limit line is determined; hazardous ice may be present up to the polar side of the ice limit line.
<u>allowed values:</u> No Information						

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Relationships: Packlce (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Packlce (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Packlce (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Packlce (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Packlce (Line 00) - is a member of group - Exactly one - PhysiographyCrv (FeatureGroup 00)
 Packlce (Line 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Packlce (Line 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
 Packlce (Line 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 Packlce (Line 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature Parcel (Area 00)

New ☐ Parcel

An administrative subdivision of a tract.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	Real	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless		The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> Civilian Joint Military and Civilian No Information Public			Insular Military Other Regional			International Municipal Private State Tribal
New Feature Code	1	IA040	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> IA040						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
New Legal Description	1	No Information	String	Unitless	2E+09	A description that may be recognized by established law. [Description] Legal descriptions can also include background information.
<u>allowed values:</u> No Information						
New Legal Identifier	1	No Information	String	Unitless	200	An unambiguous identifier recognized by established law.
<u>allowed values:</u> No Information						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i> U							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
<i>allowed values:</i>							
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)	Military Geography Division (Poland)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
No Information			Other			Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force	U.S. Army
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)	U.S. Department of State
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy	U.S. Northern Command (USNORTHCOM)
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
U.S. Transportation Command (USTRANSCOM)							
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
<i>allowed values:</i> No Information							
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
<i>allowed values:</i> No Information							
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
<i>allowed values:</i> No Information							

Relationships: Parcel (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
Parcel (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
Parcel (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
Parcel (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
Parcel (Area 00) - is a member of group - Exactly one - BoundarySrf (FeatureGroup 00)
Parcel (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
Parcel (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature Park (Area 00)

New ☐ Park

An area used for recreational or ornamental purposes.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Administrative Division	1	No Information	Enumeration	Unitless	0	The nature of an administrative division as established by an international body (for example: the United Nations), a supranational body (for example: the European Union), a State (for example: France), or a similar entity (for example: the Vatican) or organization (for example: the International Hydrographic Organization).
<i>allowed values:</i> Local Other			Municipal Subnational			National No Information
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AK120	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK120						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Location Referenced to Shoreline	1	No Information	Enumeration	Unitless	0	The location of an object in relation to a land water boundary.
<i>allowed values:</i> At Shoreline			Inland			No Information Offshore
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Park (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Park (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Park (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Park (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Park (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Park (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Park (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Park (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Park (Area 00) - is a member of group - Exactly one - CultureSrf (FeatureGroup 00)

Feature ParkingGarage (Area 00)

New ☐ Parking Garage

A designated, multi-level, structure used for parking and/or storing vehicles. [Description] May be present as part of a building or as a separate structure.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National State			International No Information			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ141	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ141						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Emergency Operations Motor Vehicle Repair Road Transport			Meeting Place No Information Stop			Motor Vehicle Parking Other Warehousing and Storage Motor Vehicle Rental Petrol Sale
Floor Count	1	-999999	REAL	Unitless	0	The number of floors in a structure (for example: a building).
<i>allowed values:</i> -999999						

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i> Accurate			Approximate			Doubtful No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<i>allowed values:</i> False			No Information			True
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
allowed values:	Conical Flat with Parapet Pitched with Clerestory With Clerestory With Steeple		Domed No Information Pyramidal With Cupola With Tower		Flat Other Sawtoothed With Minaret With Turret	Flat with Clerestory Pitched Semi-cylindrical With Smokestack
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: ParkingGarage (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 ParkingGarage (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 ParkingGarage (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 ParkingGarage (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 ParkingGarage (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 ParkingGarage (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 ParkingGarage (Area 00) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup 00)
 ParkingGarage (Area 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature ParkingGarage (Point 00)New ☐ Parking Garage

A designated, multi-level, structure used for parking and/or storing vehicles. [Description] May be present as part of a building or as a separate structure.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False						
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National State			International No Information		Joint Military and Civilian Other	
					Military Private	
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned		Not in Operation Temporarily Non-operational	
					Operational	
New Feature Code	1	AQ141	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ141						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Emergency Operations Motor Vehicle Repair Road Transport			Meeting Place No Information Stop		Motor Vehicle Parking Other Warehousing and Storage	
					Motor Vehicle Rental Petrol Sale	
Floor Count	1	-999999	REAL	Unitless	0	The number of floors in a structure (for example: a building).
<i>allowed values:</i> -999999						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<u>allowed values:</u> Accurate Approximate Doubtful No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<u>allowed values:</u> False No Information True						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False No Information True						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u> Damaged Destroyed Dismantled Intact No Information Ruined Site Preparation Under Construction Unmaintained						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)		Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)		Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)			Geographic Service (Belgium)		Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
						Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)		Military Geographic Service (Norway)	Military Geography Division (Poland)
	Mapping Service (Hungary)			Military Geographic Group (Estonia)		Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)		Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	No Information			Other		U.S. Air Force	U.S. Army
	Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)		U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)		U.S. Department of Homeland Security (DHS)	U.S. Department of State
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)		U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)	
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)		U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration	
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. Northern Command (USNORTHCOM)	
					U.S. Navy	U.S. Strategic Command (USSTRATCOM)	
	U.S. National Reconnaissance Office (NRO)		U.S. National Security Agency (NSA)				
	U.S. Pacific Command (PACOM)		U.S. Southern Command (USSOUTHCOM)				
	U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information							
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information							
Roof Shape		3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
allowed values:	Conical			Domed		Flat	Flat with Clerestory
	Flat with Parapet			No Information		Other	Pitched
	Pitched with Clerestory			Pyramidal		Sawtoothed	Semi-cylindrical
	With Clerestory			With Cupola		With Minaret	With Smokestack
	With Steeple			With Tower		With Turret	
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information							
Unique Entity Identifier		1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information							
Vertical Obstruction Identifier		1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values: No Information							
Width		1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values: -999999							

Relationships: ParkingGarage (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 ParkingGarage (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 ParkingGarage (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 ParkingGarage (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 ParkingGarage (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 ParkingGarage (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 ParkingGarage (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 ParkingGarage (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 ParkingGarage (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)

Feature ParticleAccelerator (Area 00)New ☐ Particle Accelerator**An apparatus for imparting high velocities to charged particles.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational						
			Non-operational Planned			Not in Operation Temporarily Non-operational
New Feature Code	1	AL140	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL140						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained						
			Destroyed Ruined			Dismantled Site Preparation
						Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.

allowed values: U

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:	No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values:	No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	

allowed values: -999999

Relationships: ParticleAccelerator (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
ParticleAccelerator (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
ParticleAccelerator (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
ParticleAccelerator (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
ParticleAccelerator (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
ParticleAccelerator (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
ParticleAccelerator (Area 00) - is a member of group - Exactly one - StructureSrf (FeatureGroup 00)

Feature ParticleAccelerator (Line 00)

New ☐ Particle Accelerator

An apparatus for imparting high velocities to charged particles.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AL140	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL140						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: ParticleAccelerator (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
ParticleAccelerator (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
ParticleAccelerator (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
ParticleAccelerator (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
ParticleAccelerator (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
ParticleAccelerator (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
ParticleAccelerator (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
ParticleAccelerator (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
ParticleAccelerator (Line 00) - is a member of group - Exactly one - StructureCrv (FeatureGroup 00)

Feature ParticleAccelerator (Point 00)

New ☐ Particle Accelerator

An apparatus for imparting high velocities to charged particles.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AL140	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL140						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: ParticleAccelerator (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
ParticleAccelerator (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
ParticleAccelerator (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
ParticleAccelerator (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
ParticleAccelerator (Point 00) - is a member of group - Exactly one - StructurePnt (FeatureGroup 00)
ParticleAccelerator (Point 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
ParticleAccelerator (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature Penstock (Line 00)

New ☐ Penstock

A pipeline that is used by hydroelectric plants to transport water by gravity from a reservoir to the turbine(s).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Diameter	1	-999999	REAL	Metre	0	The measure of a straight line segment passing through the center of a figure, especially of a circle, sphere or cross-section of a cylinder, terminating at the periphery.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	BH110	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH110						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)		
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)		
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)		
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)		
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)		
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)		
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)		
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army		
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard		
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State		
U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)			
U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration			
U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)			
U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)			
U.S. Transportation Command (USTRANSCOM)						
<hr/>						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<hr/>						
allowed values:	No Information					
<hr/>						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<hr/>						
allowed values:	No Information					
<hr/>						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<hr/>						
allowed values:	No Information					
<hr/>						
Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.
<hr/>						
allowed values:	False		No Information		True	
<hr/>						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<hr/>						
allowed values:	No Information					
<hr/>						
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<hr/>						
allowed values:	Above Surface		Below Ground Surface		No Information On Surface	

Relationships: Penstock (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Penstock (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Penstock (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Penstock (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Penstock (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Penstock (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Penstock (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Penstock (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Penstock (Line 00) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup 00)

Feature PicnicSite (Area 00)

New ☐ Picnic Site

A site that has been set aside for picnics. [Description] It may have picnic tables for public use.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AK061	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AK061						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)	
U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration	
U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)	
U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)	
U.S. Transportation Command (USTRANSCOM)				
Restriction Information : Security Attributes Group (resource non-intelligence community markings)				
allowed values:	No Information			
Restriction Information : Security Attributes Group (resource owner-producer)				
allowed values:	No Information			
Specified Domain Values(s)				
allowed values:	No Information			
Unique Entity Identifier				
allowed values:	No Information			
Width				

allowed values: -999999

Relationships: PicnicSite (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 PicnicSite (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 PicnicSite (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 PicnicSite (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 PicnicSite (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 PicnicSite (Area 00) - is a member of group - Exactly one - RecreationSrf (FeatureGroup 00)

Feature Pipeline (Line 00)

New ☐ Pipeline**A connected set of pipes for conveying liquids, slurries, or gases. [Description] Usually for long distances and often located underground.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999						
Average Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999, -999999]			No Information			
New Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999						
New Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999						
Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
<i>allowed values:</i> False			No Information			True
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
New Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999						
Deck Level	1	-999999	REAL	Unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value.
<i>allowed values:</i> -999999						
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i> -999999						
New Diameter	1	-999999	REAL	Metre	0	The measure of a straight line segment passing through the center of a figure, especially of a circle, sphere or cross-section of a cylinder, terminating at the periphery.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ113	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ113						
Floating	1	No Information	Boolean	Unitless	0	An indication that an object is floating.
<i>allowed values:</i> False			No Information			True
Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.

<u>allowed values:</u> No Information						
Geographic Name Type	3	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Other						
			Historical Transliterated Provisional		Native Transliterated Unverified Transliterated	No Information Variant Transliterated
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<u>allowed values:</u> Accurate						
			Approximate		Doubtful	No Information
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<u>allowed values:</u> -999999						
New Least Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Linear Feature Arrangement	1	No Information	Enumeration	Unitless	0	The arrangement of parallel linear features on a single support structure including both directions (if applicable). [Description] For example, two railways sharing a single roadbed.
<u>allowed values:</u> Double Arrangement Other						
			Juxtaposition Single Arrangement		Multiple Arrangements	No Information
New Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False						
			No Information		True	
Parallel Line Count	1	-999999	REAL	Unitless	0	The total number of nominally parallel lines within the feature.
<u>allowed values:</u> -999999						

New	Water Resource Information : pH of Water	1	-999999	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.		
	<i>allowed values:</i>	-999999							
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.		
	<i>allowed values:</i>	Damaged No Information Unmaintained		Destroyed Ruined		Dismantled Site Preparation		Intact Under Construction	
	Pipeline Type	1	No Information	Enumeration	Unitless	0	The type of a pipeline or pipeline-associated equipment based on structure and/or intended use(s).		
	<i>allowed values:</i>	Intake Pipe Transport Pipe		No Information		Other		Outfall Pipe	
	Predominant Average Water Velocity	1	[-999999,-999999]	REAL_INTERVAL	Metres per Second	0	The average water velocity, exclusive of high water due to runoff or low water due to drought.		
	<i>allowed values:</i>	(1.5, INFINITY)		(-INFINITY, 1.5]		[-999999,-999999]			
	Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.		
	<i>allowed values:</i>	Chemical Other Water		Gas Petrol		Heating Steam and/or Water Petroleum		No Information Sewage	
New	Water Resource Information : Pump Type	1	No Information	Enumeration	Unitless		The type of pump used to move liquid or semi-liquid material from one location to another.		
	<i>allowed values:</i>	Airlift No Information Turbine		Centrifugal Other Vacuum		Gravity Reciprocating		Jet Rotary	
	Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).		
	<i>allowed values:</i>	Depressed		Level		No Information		Raised	
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.		
	<i>allowed values:</i>	U							
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.		
	<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)	

	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
	<i>allowed values:</i> No Information						
	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
	<i>allowed values:</i> No Information						
	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
	<i>allowed values:</i> No Information						
	Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
	<i>allowed values:</i> Aluminum Lead Other Steel			Concrete Masonry Plastic Wood			Copper Metal Prestressed Concrete Iron No Information Reinforced Concrete
New	Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
	<i>allowed values:</i> -999999						
	Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.
	<i>allowed values:</i> False			No Information			True
	Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.
	<i>allowed values:</i> False			No Information			True
New	Water Resource Information : Temperature	1	-999999	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<i>allowed values:</i> -999999						
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<i>allowed values:</i> No Information						
	Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
	<i>allowed values:</i> Above Surface No Information			Above Waterbody Bottom On Surface			Below Ground Surface On Waterbody Bottom Below Waterbody Bottom
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	0	The electrical conductivity of water.
	<i>allowed values:</i> -999999						

New	Water Resource Information : Water Flow	1	-999999	Real	Litres per Minute		The rate of water flow through or exiting from a feature.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<i>allowed values:</i> -999999						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
	<i>allowed values:</i> Contaminated No Information Other Treatable						
New	Water Resource Information : Water Pump Accessibility	1	No Information	Enumeration	Unitless	0	The approachable or easily entered side of a water source where portable equipment including pumps and pipes may be placed into the water source and used with nearby portable equipment. [Description] Provides an indication of whether it is possible access the water for the purpose of connecting portable water pumping equipment to temporary purification units. Accessibility must meet distance requirements in the transport of water: 100 m horizontal and 10 m vertical.
	<i>allowed values:</i> From All Sides From Right No Information From East From South From Left From West From North No Accessibility						
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
	<i>allowed values:</i> Alkaline No Information Brackish Other Fresh Saline Mineral						
New	Water Resource Information : Water Use	3	No Information	Enumeration	Unitless		The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.
	<i>allowed values:</i> Agricultural Irrigation Institutional Other Commercial Livestock Power Generation Domestic Irrigation Municipal Recreational Industrial No Information Sanitary Domestic						
	Waterbody Overhead Obstruction	1	No Information	Boolean	Unitless	0	An indication that an object is an overhead obstruction over a navigable waterbody.
	<i>allowed values:</i> False No Information True						

Relationships: Pipeline (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Pipeline (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Pipeline (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Pipeline (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Pipeline (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Pipeline (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Pipeline (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Pipeline (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Pipeline (Line 00) - is a member of group - Exactly one - UtilityInfrastructureCrv (FeatureGroup 00)

Feature PipelineCrossingPoint (Point 00) New ☐ Pipeline Crossing Point

A traversable site extending across a pipeline that acts as a passageway for cross-country movement of vehicles or troops.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
	<i>allowed values:</i> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational					
New Feature Code	1	AL165	CONSTRAINED_STRING	Unitless	5	Feature Code

<i>allowed values:</i> AL165						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained Destroyed Ruined Dismantled Site Preparation Intact Under Construction						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: PipelineCrossingPoint (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 PipelineCrossingPoint (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 PipelineCrossingPoint (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 PipelineCrossingPoint (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 PipelineCrossingPoint (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 PipelineCrossingPoint (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 PipelineCrossingPoint (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 PipelineCrossingPoint (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 PipelineCrossingPoint (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)

Feature PlantNursery (Area 00)New ☐ Plant Nursery**A tract where plants (for example: shrubs, flowers, and/or trees) are grown for transplanting, seed, and/or grafting.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Crop Information : Crop Species	1	No Information	Enumeration	Unitless	0	The predominant species of a crop land.
<i>allowed values:</i> Bamboo Fruit Tree Palmetto						
Banana No Information Rubber						
Coffee Oil Palm Cotton Other						
Crop Information : Farming Pattern	3	No Information	Enumeration	Unitless	0	The general arrangement(s) and/or pattern(s) of farming fields.
<i>allowed values:</i> Intermingled Trees No Information Treeless						
Intermingled Woods Other Trellised						
Irregular Regular Linear Terraced						
Feature Code	1	EA030	CONSTRAINED_STRING	Unitless	5	Feature Code

allowed values: EA030

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
U.S. National Oceanic and Atmospheric Administration						U.S. Northern Command (USNORTHCOM)
U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<u>allowed values:</u> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<u>allowed values:</u> No Information						
Vegetation Trafficability Impact	1	[-999999, -999999]	Real_Interval	Percent		The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
<u>allowed values:</u> [-999999, -999999]						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: PlantNursery (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 PlantNursery (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 PlantNursery (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 PlantNursery (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 PlantNursery (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 PlantNursery (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 PlantNursery (Area 00) - is a member of group - Exactly one - AgricultureSrf (FeatureGroup 00)
 PlantNursery (Area 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 PlantNursery (Area 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature PolarIce (Area 00)

New ☐ Polar Ice

Sea ice that is more than one year old and more than 3 metres thick. [Description] Sea ice is any form of ice which has originated from sea water.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	BJ080	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BJ080						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Predominant Feature Height	1	-999999	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).
<u>allowed values:</u> -999999						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u> <div> <div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div> </div>						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.

allowed values: No Information

Seasonal Ice Limit	1	No Information	String	Unitless	14	The month of the seasonal limit of the presence of ice that poses a hazard to maritime traffic. [Description] Used to specify the month for which an ice limit line is determined; hazardous ice may be present up to the polar side of the ice limit line.
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allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: PolarIce (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
PolarIce (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
PolarIce (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
PolarIce (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
PolarIce (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
PolarIce (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
PolarIce (Area 00) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup 00)
PolarIce (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
PolarIce (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature Port (Area 00)New ☐ Port

A place provided with terminal and transfer facilities for loading and/or discharging cargo or passengers, usually located in a harbour. [Description] A port and its related waters together comprise a harbour.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<u>allowed values:</u> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Manufacturing Information : By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.
<u>allowed values:</u> Ash Other Sewage			Cinders Radioactive Material Slag	No Byproduct Refuse		No Information Scrap-metal
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> Civilian National Public			International No Information State	Joint Military and Civilian Other		Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.

<i>allowed values:</i> No Information <i>Partially Operational</i>		Non-operational Planned		Not in Operation Temporarily Non-operational		<i>Operational</i>	
New	Feature Code	1	BB009	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> <i>BB009</i>							
Feature Function		3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Air Transport Defence Activities Harbour Control Inspection Station <i>Other</i> Railway Transport Ship Repair				Canal Transport Embassy Immigration Control Maritime Defense Pilot Station Road Freight Transport Warehousing and Storage			Cargo Handling Emergency Operations Inland Waters Transport Meeting Place Pipeline Transport <i>Security Services</i> Yacht-club Customs Checkpoint Emergency Relief Services <i>Inspection</i> <i>No Information</i> Port Control Ship Construction
Geographic Name Information : Full Name		1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> <i>No Information</i>							
Height Above Surface Level		1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> <i>-999999</i>							
Highest Elevation		1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> <i>-999999</i>							
Length		1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> <i>-999999</i>							
Note : Memorandum		1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> <i>No Information</i>							
Geographic Name Information : Name Identifier		1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> <i>No Information</i>							
Navigation Landmark		1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> <i>False</i>				<i>No Information</i>			<i>True</i>
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> <i>Damaged</i> <i>No Information</i> <i>Unmaintained</i>				<i>Destroyed</i> <i>Ruined</i>			<i>Dismantled</i> <i>Site Preparation</i> <i>Intact</i> <i>Under Construction</i>
Manufacturing Information : Product		3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.

allowed values:

Aircraft
Biochemical
Chemical
Coke
Cotton
Electronic Equipment
Fluorine
Gas
Ice
Liquefied Natural Gas (LNG)
Metal
Munitions
Nuclear Fuel
Petrochemical
Petroleum Lubricant
Radioactive Material
Sewage
Sugar
Vegetation Product
Zinc

Aluminum
Biodiesel
Clothing
Concrete
Desalinated Water
Explosive
Food
Glass
Iron
Liquefied Petroleum Gas (LPG)
Milk
[No Information](#)
Olive Oil
Petrol
Phosphorus
Rice
Silver
Textile
Water

Ammunition
Brick
Coal
Consumer Goods
Electric Power
Fertilizer
Frozen Water
Gold
Lead
Lumber
Milled Grain
No Product
[Other](#)
Petroleum
Plastic
Rubber
Snow
Tobacco
Whale Products

Asphalt
Cement
Coffee
Copper
Electrical Equipment
Fish
Fruit
Heating Steam and/or Water
Lime
Manganese
Motor Vehicle
Non-solid Hydrocarbon Fuel
Paper
Petroleum and/or Natural Gas
Prestressed Concrete
Salt
Steel
Uranium
Wine

Manufacturing Information : Raw Material 3 No Information Enumeration Unitless 0 The principal 'raw', or input, material(s) involved in a production activity. [Description] If multiple 'raw' materials are specified then they are usually listed in descending order of importance.

allowed values:

Aluminum
Chemical
Copper
Gold
Lumber
No Raw Material
Paper
Radioactive Material
Snow
Tobacco
Wood

Asphalt
Clay
Cotton
Ice
Manganese
Oil
Petroleum and/or Natural Gas
Rubber
Steel
Uranium
Zinc

Bauxite
Coal
Gas
Iron
Metal
Ore
Plant Material
Sewage
Sugar
Vegetation

Cement
Coke
Glass
Lead
[No Information](#)
[Other](#)
Plastic
Silver
Textile
Water

Restriction Information : Security Attributes Group (resource classification) 1 U String Unitless 8 The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.

allowed values: [U](#)

Process Step Information : Resource Content Originator 1 No Information Enumeration Unitless 0 The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Defence Acquisition and Logistics Organization (Denmark)	General Command of Mapping (Turkey)	Army Geographic Centre (Spain)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Geographic Service (Belgium)	Army Geographic Institute (Portugal)	Defence Imagery and Geospatial Organisation (Australia)	Geographic Service of the Czech Armed Forces (Czech Republic)	Joint Geography Bureau (France)	Military Geographic Service (Norway)	Military Topographic Service (Bulgaria)	Swedish Armed Forces (Sweden)	U.S. Air Force	U.S. Central Intelligence Agency (CIA)	U.S. Department of Homeland Security (DHS)	U.S. Geological Survey (USGS)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. Navy	U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany)	Defense Information Security (Italy)	Geospatial Information Agency (Latvia)	Mapping and Charting Establishment (Canada)	Military Geography Division (Poland)	National Army Topographic Service (Moldova)	Topographic Institute (Slovakia)	U.S. Army	U.S. Coast Guard	U.S. Department of State	U.S. Joint Forces Command (USJFCOM)	U.S. National Oceanic and Atmospheric Administration	U.S. Northern Command (USNORTHCOM)	U.S. Strategic Command (USSTRATCOM)
	Geospatial Intelligence Organisation (New Zealand)	Mapping Service (Hungary)	Military Mapping Centre (Lithuania)	No Information	Topographic Service (Finland)	U.S. Army Geospatial Center (AGC)	U.S. Defense Intelligence Agency (DIA)	U.S. European Command (USEUCOM)	U.S. Marine Corps	U.S. National Reconnaissance Office (NRO)	U.S. Pacific Command (PACOM)	U.S. Transportation Command (USTRANSCOM)	Hellenic Military Geographic Service (Greece)	Military Geographic Group (Estonia)	Military Topographic Directorate (Romania)	Other	U.S. Africa Command (USAFRICOM)	U.S. Central Command (USCENTCOM)	U.S. Department of Energy (DOE)	U.S. Federal Bureau of Investigation (FBI)	U.S. National Civil Applications Program (NCAP)	U.S. National Security Agency (NSA)	U.S. Southern Command (USSOUTHCOM)											
	Restriction Information : Security																																	
	Attributes Group (resource non-intelligence community markings)																																	
	allowed values: No Information																																	
	Restriction Information : Security																																	
	Attributes Group (resource owner-producer)																																	
	allowed values: No Information																																	
	Specified Domain Values(s)																																	
allowed values: No Information																																		
Tide Influenced																																		
allowed values: False																																		
Unique Entity Identifier																																		
allowed values: No Information																																		
Width																																		
allowed values: -999999																																		
World Port Index Identifier																																		
allowed values: No Information																																		

Relationships: Port (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Port (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Port (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Port (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Port (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Port (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Port (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Port (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Port (Area 00) - is a member of group - Exactly one - PortHarbourSrf (FeatureGroup 00)

Feature Port (Point 00)New ☐ Port

A place provided with terminal and transfer facilities for loading and/or discharging cargo or passengers, usually located in a harbour. [Description] A port and its related waters together comprise a harbour.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Manufacturing Information : By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Ash Other Sewage			Cinders Radioactive Material Slag			No Byproduct Refuse No Information Scrap-metal
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BB009	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BB009						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Air Transport Defence Activities Harbour Control Inspection Station Other Railway Transport Ship Repair			Canal Transport Embassy Immigration Control Maritime Defense Pilot Station Road Freight Transport Warehousing and Storage			Cargo Handling Emergency Operations Inland Waters Transport Meeting Place Pipeline Transport Security Services Yacht-club Customs Checkpoint Emergency Relief Services Inspection No Information Port Control Ship Construction
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.

<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
New Physical Condition			No Information		True	
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	
Manufacturing Information : Product			No Information		Intact Under Construction	
<i>allowed values:</i> Aircraft Biochemical Chemical Coke Cotton Electronic Equipment Fluorine Gas Ice Liquefied Natural Gas (LNG) Metal Munitions Nuclear Fuel Petrochemical Petroleum Lubricant Radioactive Material Sewage Sugar Vegetation Product Zinc			Aluminum Biodiesel Clothing Concrete Desalinated Water Explosive Food Glass Iron Liquefied Petroleum Gas (LPG) Milk No Information Olive Oil Petrol Phosphorus Rice Silver Textile Water		Ammunition Brick Coal Consumer Goods Electric Power Fertilizer Frozen Water Gold Lead Lumber Milled Grain No Product Other Petroleum Plastic Rubber Snow Tobacco Whale Products	
Manufacturing Information : Raw Material			Asphalt Cement Coffee Copper Electrical Equipment Fish Fruit Heating Steam and/or Water Lime Manganese Motor Vehicle Non-solid Hydrocarbon Fuel Paper Petroleum and/or Natural Gas Prestressed Concrete Salt Steel Uranium Wine		The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.	
Manufacturing Information : Raw Material			The principal 'raw', or input, material(s) involved in a production activity. [Description] If multiple 'raw' materials are specified then they are usually listed in descending order of importance.			

allowed values:	Aluminum Chemical Copper Gold Lumber No Raw Material Paper Radioactive Material Snow Tobacco Wood	Asphalt Clay Cotton Ice Manganese Oil Petroleum and/or Natural Gas Rubber Steel Uranium Zinc	Bauxite Coal Gas Iron Metal Ore Plant Material Sewage Sugar Vegetation	Cement Coke Glass Lead No Information Other Plastic Silver Textile Water		
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values:	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Tide Influenced	1	No Information	Boolean	Unitless	0	An indication that a waterbody is affected by the tide.
allowed values:	False		No Information			True

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

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

Relationships: Port (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Port (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Port (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Port (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Port (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Port (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Port (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Port (Point 00) - is a member of group - Exactly one - PortHarbourPnt (FeatureGroup 00)

Feature PowerSubstation (Area 00)

New ☐ Power Substation

A facility, along a power transmission line, in which electric current is switched, transformed, and/or converted.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<u>allowed values:</u> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AD030	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AD030						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.

allowed values: -999999

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
U.S. Northern Command (USNORTHCOM)						
U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.

allowed values: No Information

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
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allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Substation Type	3	No Information	Enumeration	Unitless	0	The type of an electricity distribution substation based on its function(s).
<i>allowed values:</i> Converter Substation Transformer Substation			No Information			Other Switched Substation

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

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

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: PowerSubstation (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 PowerSubstation (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 PowerSubstation (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 PowerSubstation (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 PowerSubstation (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 PowerSubstation (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 PowerSubstation (Area 00) - is a member of group - Exactly one - UtilityInfrastructureSrf (FeatureGroup 00)

Feature PowerSubstation (Point 00)New ☐ Power Substation**A facility, along a power transmission line, in which electric current is switched, transformed, and/or converted.**

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

allowed values: No Information

Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
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allowed values: -999999

Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>

New	Feature Code	1	AD030	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<u>allowed values:</u> AD030						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999						
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999						
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<u>allowed values:</u> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<u>allowed values:</u> U						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:	No Information						
Substation Type	3	No Information	Enumeration	Unitless	0	The type of an electricity distribution substation based on its function(s).	
allowed values:	Converter Substation Transformer Substation		No Information			Other Switched Substation	
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values:	No Information						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).	
allowed values:	Aluminum Metal Reinforced Concrete		Brick No Information Steel			Concrete Other Stone Masonry Prestressed Concrete Wood	
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	
allowed values:	-999999						

Relationships: PowerSubstation (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 PowerSubstation (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 PowerSubstation (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 PowerSubstation (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 PowerSubstation (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 PowerSubstation (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 PowerSubstation (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 PowerSubstation (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 PowerSubstation (Point 00) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup 00)

Feature PreparedWatercourseCross (Line 00)New ☐ Prepared Watercourse Crossing

A location on a watercourse that has ramps, structural piles, and/or piers constructed on one or both shores to allow for suitable future crossing operations using floating bridges or rafting equipment. [Description] For example, a prepared float bridge site or a prepared raft site.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AQ111	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ111						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Horizontal Clearance	1	-999999	REAL	Metre	0	The distance available to pass a load that extends laterally beyond the wheels of a vehicle.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Load Class Type 1	1	-999999	REAL	Unitless	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for one-way, wheeled vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Load Class Type 2	1	-999999	REAL	Unitless	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for two-way, wheeled vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Load Class Type 3	1	-999999	REAL	Unitless	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for one-way, tracked vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.

<u>allowed values:</u> -999999						
Load Class Type 4	1	-999999	REAL	Unitless	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for two-way, tracked vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u> <i>Damaged</i> <i>Destroyed</i> <i>Dismantled</i> <i>Intact</i> <i>No Information</i> <i>Ruined</i> <i>Site Preparation</i> <i>Under Construction</i> <i>Unmaintained</i>						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<u>allowed values:</u> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<u>allowed values:</u> No Information						

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: PreparedWatercourseCross (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 PreparedWatercourseCross (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 PreparedWatercourseCross (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 PreparedWatercourseCross (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 PreparedWatercourseCross (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 PreparedWatercourseCross (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 PreparedWatercourseCross (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 PreparedWatercourseCross (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 PreparedWatercourseCross (Line 00) - is a member of group - Exactly one - TransportationWaterCrv (FeatureGroup 00)

Feature PreparedWatercourseCross (Point 00)

New ☐ Prepared Watercourse Crossing

A location on a watercourse that has ramps, structural piles, and/or piers constructed on one or both shores to allow for suitable future crossing operations using floating bridges or rafting equipment. [Description] For example, a prepared float bridge site or a prepared raft site.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AQ111	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AQ111						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Horizontal Clearance	1	-999999	REAL	Metre	0	The distance available to pass a load that extends laterally beyond the wheels of a vehicle.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

<i>allowed values:</i> -999999						
Load Class Type 1	1	-999999	REAL	Unitless	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for one-way, wheeled vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Load Class Type 2	1	-999999	REAL	Unitless	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for two-way, wheeled vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Load Class Type 3	1	-999999	REAL	Unitless	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for one-way, tracked vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Load Class Type 4	1	-999999	REAL	Unitless	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for two-way, tracked vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged Destroyed Dismantled Intact No Information Ruined Site Preparation Under Construction Unmaintained						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Army Geographic Centre (Spain) Army Geographic Institute (Portugal) Bundeswehr Geoinformation Office (Germany) Defence Acquisition and Logistics Organization (Denmark) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Defence Imagery and Geospatial Organisation (Australia) Defense Information Security (Italy) General Command of Mapping (Turkey) Geographic Service (Belgium) Geographic Service of the Czech Armed Forces (Czech Republic) Geospatial Information Agency (Latvia) Geospatial Intelligence Organisation (New Zealand) Hellenic Military Geographic Service (Greece) Joint Geography Bureau (France) Mapping and Charting Establishment (Canada) Mapping Service (Hungary) Military Geographic Group (Estonia) Military Geographic Service (Norway) Military Geography Division (Poland) Military Mapping Centre (Lithuania) Military Topographic Directorate (Romania) Military Topographic Service (Bulgaria) National Army Topographic Service (Moldova) No Information Other Swedish Armed Forces (Sweden) Topographic Institute (Slovakia) Topographic Service (Finland) U.S. Africa Command (USAFRICOM) U.S. Air Force U.S. Army U.S. Army Geospatial Center (AGC) U.S. Central Command (USCENTCOM) U.S. Central Intelligence Agency (CIA) U.S. Coast Guard U.S. Defense Intelligence Agency (DIA) U.S. Department of Energy (DOE) U.S. Department of Homeland Security (DHS) U.S. Department of State U.S. European Command (USEUCOM) U.S. Federal Bureau of Investigation (FBI) U.S. Geological Survey (USGS) U.S. Joint Forces Command (USJFCOM) U.S. Marine Corps U.S. National Civil Applications Program (NCAP) U.S. National Geospatial-Intelligence Agency (NGA) U.S. National Oceanic and Atmospheric Administration U.S. National Reconnaissance Office (NRO) U.S. National Security Agency (NSA) U.S. Navy U.S. Northern Command (USNORTHCOM) U.S. Pacific Command (PACOM) U.S. Southern Command (USSOUTHCOM) U.S. Special Operations Command (USSOCOM) U.S. Strategic Command (USSTRATCOM) U.S. Transportation Command (USTRANSCOM)						

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: PreparedWatercourseCross (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 PreparedWatercourseCross (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 PreparedWatercourseCross (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 PreparedWatercourseCross (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 PreparedWatercourseCross (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 PreparedWatercourseCross (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 PreparedWatercourseCross (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 PreparedWatercourseCross (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 PreparedWatercourseCross (Point 00) - is a member of group - Exactly one - TransportationWaterPnt (FeatureGroup 00)

Feature PublicSquare (Area 00)New ☐ Public Square**An open site that serves as a public meeting location in a built-up area.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AL170	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL170						

Geographic Name Information : Full Name		1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.	
<i>allowed values:</i> No Information								
Length		1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999								
Note : Memorandum		1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information								
Geographic Name Information : Name Identifier		1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information								
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.	
	<i>allowed values:</i> <div>Damaged No Information Unmaintained</div>			<div>Destroyed Ruined</div>		<div>Dismantled Site Preparation</div>	<div>Intact Under Construction</div>	
Restriction Information : Security Attributes Group (resource classification)		1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i> U								
Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
<i>allowed values:</i>								

allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: PublicSquare (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 PublicSquare (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 PublicSquare (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 PublicSquare (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 PublicSquare (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 PublicSquare (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 PublicSquare (Area 00) - is a member of group - Exactly one - RecreationSrf (FeatureGroup 00)

Feature PublicSquare (Point 00)New ☐ Public Square**An open site that serves as a public meeting location in a built-up area.**

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

allowed values: No Information

Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
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allowed values: -999999

Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
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allowed values: No Information
*Partially Operational*Non-operational
Planned
Not in Operation
Temporarily Non-operational*Operational*

New Feature Code	1	AL170	CONSTRAINED_STRING	Unitless	5	Feature Code
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allowed values: AL170

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

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: PublicSquare (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
PublicSquare (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
PublicSquare (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
PublicSquare (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
PublicSquare (Point 00) - is a member of group - Exactly one - RecreationPnt (FeatureGroup 00)
PublicSquare (Point 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
PublicSquare (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature PumpingStation (Area 00)

New ☐ Pumping Station

A facility to move solids, liquids or gases by means of pressure or suction.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre		The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999						
Average Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999, -999999]			No Information			
New Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre		The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999						
New Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density		The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Military Other Private
New Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre		The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN ⁻ . These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999						
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i> -999999						

New	Water Resource Information : Device Power Type	1	No Information	Enumeration	Unitless	0	The method by the device is powered, if any.
	<i>allowed values:</i>						<i>Compressed Air</i> <i>No Information</i> <i>Electricity</i> <i>Other</i> <i>Gravity</i> <i>Petroleum Product</i> <i>Manual</i> <i>Steam</i>
New	Water Resource Information : Device Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the device and the underlying ground (terrain), liquid or waterbody bottom.
	<i>allowed values:</i>						<i>Above Surface</i> <i>On Waterbody Bottom</i> <i>Below Ground Surface</i> <i>Other</i> <i>No Information</i> <i>Submerged</i> <i>On Surface</i>
	Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
	<i>allowed values:</i>						<i>No Information</i> <i>Partially Operational</i> <i>Non-operational</i> <i>Planned</i> <i>Not in Operation</i> <i>Temporarily Non-operational</i> <i>Operational</i>
New	Feature Code	1	AQ116	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<i>allowed values:</i>						<i>AQ116</i>
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i>						<i>No Information</i> <i>Pipeline Transport</i> <i>Other</i> <i>Solid Mineral Fuel Mining</i> <i>Petroleum and/or Gas Extraction</i> <i>Utilities</i> <i>Petroleum Refining</i>
	Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i>						<i>No Information</i>
	Geographic Name Type	2	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i>						<i>Conventional</i> <i>Other</i> <i>Historical Transliterated</i> <i>Provisional</i> <i>Native Transliterated</i> <i>Unverified Transliterated</i> <i>No Information</i> <i>Variant Transliterated</i>
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i>						<i>-999999</i>
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i>						<i>-999999</i>
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i>						<i>-999999</i>
	Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
	<i>allowed values:</i>						<i>False</i> <i>No Information</i> <i>True</i>
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre		The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<i>allowed values:</i>						<i>-999999</i>
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i>						<i>No Information</i>

Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i>	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i>	False					True
New Water Resource Information : pH of Water	1	-999999	Real	Milligrams per Litre		The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i>	-999999					
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i>	Damaged No Information Unmaintained					Destroyed Ruined Dismantled Site Preparation Intact Under Construction
Predominant Average Water Velocity	1	[-999999,-999999]	REAL_INTERVAL	Metres per Second	0	The average water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i>	(1.5, INFINITY)					[-999999,-999999]
Predominant Maximum Water Depth	1	[-999999,-999999]	Real_Interval	Metre	0	The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i>	(0.8, 1.6] [-999999,-999999]					(1.6, 2.4] (2.4, INFINITY) (-INFINITY, 0.8]
Predominant Maximum Water Velocity	1	[-999999,-999999]	Real_Interval	Metres per Second	0	The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i>	(0.5, 1.5] [-999999,-999999]					(1.5, 2.5] (2.5, INFINITY) (-INFINITY, 0.5]
Predominant Minimum Water Depth	1	[-999999,-999999]	Real_Interval	Metre	0	The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i>	(0.8, 1.6] [-999999,-999999]					(1.6, 2.4] (2.4, INFINITY) (-INFINITY, 0.8]
Predominant Minimum Water Velocity	1	[-999999,-999999]	Real_Interval	Metres per Second	0	The average minimum (seasonal low water) water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i>	(0.5, 1.5] [-999999,-999999]					(1.5, 2.5] (2.5, INFINITY) (-INFINITY, 0.5]
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i>	Chemical Petrol					Gas Petroleum No Information Sewage Other Water
New Water Resource Information : Pump Type	1	No Information	Enumeration	Unitless	0	The type of pump used to move liquid or semi-liquid material from one location to another.
<i>allowed values:</i>	Airlift No Information Turbine					Centrifugal Other Vacuum Gravity Reciprocating Jet Rotary
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i>	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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PumpingStation (Area 00)

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
U.S. Transportation Command (USTRANSCOM)				
Restriction Information : Security Attributes Group (resource non-intelligence community markings)				
allowed values:	No Information			
Restriction Information : Security Attributes Group (resource owner-producer)				
allowed values:	No Information			
Specified Domain Values(s)				
allowed values:	No Information			
Water Resource Information : Sulfate Concentration				
allowed values:	-999999			
Water Resource Information : Temperature				
allowed values:	-999999			
Water Resource Information : Total Dissolved Solids				
allowed values:	-999999			
Water Resource Information : Turbidity				
allowed values:	-999999			
Unique Entity Identifier				
allowed values:	No Information			
Vertical Construction Material				

	<i>allowed values:</i>	Aluminum Masonry Prestressed Concrete Wood	Brick Metal Reinforced Concrete	Concrete No Information Steel	Iron Other Stone	
Volume	1	[-999999,-999999]	Real_Interval	Cubic Metre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
	<i>allowed values:</i>	No Information				
New Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime		The electrical conductivity of water.
	<i>allowed values:</i>	-999999				
New Water Resource Information : Water Flow	1	-999999	Real	Cubic Metres per Second	0	The rate of water flow through or exiting from a feature.
	<i>allowed values:</i>	-999999				
New Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre		The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<i>allowed values:</i>	-999999				
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
	<i>allowed values:</i>	Contaminated Potable	No Information Treatable	Nonpotable	Other	
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless		The type of available water based on its composition.
	<i>allowed values:</i>	Alkaline Mineral Saline	Brackish No Information Seawater	Brine Not Applicable	Fresh Other	
New Water Resource Information : Water Use	3	No Information	Enumeration	Unitless		The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.
	<i>allowed values:</i>	Agricultural Irrigation Institutional Other	Commercial Livestock Power Generation	Domestic Irrigation Municipal Recreational	Industrial No Information Sanitary Domestic	
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: PumpingStation (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
PumpingStation (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
PumpingStation (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
PumpingStation (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
PumpingStation (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
PumpingStation (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
PumpingStation (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
PumpingStation (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
PumpingStation (Area 00) - is a member of group - Exactly one - UtilityInfrastructureSrf (FeatureGroup 00)

Feature PumpingStation (Point 00)

New ☐ Pumping Station

A facility to move solids, liquids or gases by means of pressure or suction.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre		The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999						
Average Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999, -999999]			No Information			
New Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre		The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999						
New Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density		The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Military Other Private
New Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre		The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999						
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i> -999999						
New Water Resource Information : Device Power Type	1	No Information	Enumeration	Unitless	0	The method by the device is powered, if any.
<i>allowed values:</i> Compressed Air No Information			Electricity Other			Gravity Petroleum Product Manual Steam
New Water Resource Information : Device Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the device and the underlying ground (terrain), liquid or waterbody bottom.
<i>allowed values:</i> Above Surface On Waterbody Bottom			Below Ground Surface Other			No Information Submerged On Surface
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ116	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ116						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.

		<i>allowed values:</i> No Information Pipeline Transport		<i>Other</i> Solid Mineral Fuel Mining		Petroleum and/or Gas Extraction Utilities	Petroleum Refining
Geographic Name Information : Full Name		2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
Geographic Name Type		2	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
		<i>allowed values:</i> Conventional Other		Historical Transliterated Provisional		Native Transliterated Unverified Transliterated	No Information Variant Transliterated
Height Above Surface Level		1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
Highest Elevation		1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
Length		1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
Located Underground		1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
		<i>allowed values:</i> False		No Information		True	
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre		The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
Note : Memorandum		1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
Geographic Name Information : Name Identifier		2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
Navigation Landmark		1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
		<i>allowed values:</i> False		No Information		True	
New	Water Resource Information : pH of Water	1	-999999	Real	Milligrams per Litre		The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
Physical Condition		1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
		<i>allowed values:</i> Damaged No Information Unmaintained		Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Predominant Average Water Velocity		1	[-999999,-999999]	REAL_INTERVAL	Metres per Second	0	The average water velocity, exclusive of high water due to runoff or low water due to drought.

	allowed values:	(1.5, INFINITY)		(-INFINITY, 1.5]		[-999999,-999999]		
	Predominant Maximum Water Depth	1	[-999999,-999999]	Real_Interval	Metre	0	The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.	
	allowed values:	(0.8, 1.6] [-999999,-999999]		(1.6, 2.4]		(2.4, INFINITY)	(-INFINITY, 0.8]	
	Predominant Maximum Water Velocity	1	[-999999,-999999]	Real_Interval	Metres per Second	0	The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.	
	allowed values:	(0.5, 1.5] [-999999,-999999]		(1.5, 2.5]		(2.5, INFINITY)	(-INFINITY, 0.5]	
	Predominant Minimum Water Depth	1	[-999999,-999999]	Real_Interval	Metre	0	The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.	
	allowed values:	(0.8, 1.6] [-999999,-999999]		(1.6, 2.4]		(2.4, INFINITY)	(-INFINITY, 0.8]	
	Predominant Minimum Water Velocity	1	[-999999,-999999]	Real_Interval	Metres per Second	0	The average minimum (seasonal low water) water velocity, exclusive of high water due to runoff or low water due to drought.	
	allowed values:	(0.5, 1.5] [-999999,-999999]		(1.5, 2.5]		(2.5, INFINITY)	(-INFINITY, 0.5]	
	Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.	
	allowed values:	Chemical Petrol		Gas Petroleum		No Information Sewage	Other Water	
New	Water Resource Information : Pump Type	1	No Information	Enumeration	Unitless	0	The type of pump used to move liquid or semi-liquid material from one location to another.	
	allowed values:	Airlift No Information Turbine		Centrifugal Other Vacuum		Gravity Reciprocating	Jet Rotary	
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
	allowed values:	U						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
	allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	

<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<u>allowed values:</u> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<u>allowed values:</u> No Information						
New Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre		The mass of sulfate ions per volume of solution.
<u>allowed values:</u> -999999						
New Water Resource Information : Temperature	1	-999999	Real	Degree Celsius		The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<u>allowed values:</u> -999999						
New Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre		The total mass of dissolved inorganic chemical constituents per volume of solution.
<u>allowed values:</u> -999999						
New Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units		The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<u>allowed values:</u> -999999						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<u>allowed values:</u> No Information						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<u>allowed values:</u> Aluminum Masonry Prestressed Concrete Wood			Brick Metal Reinforced Concrete	Concrete No Information Steel	Iron Other Stone	
Volume	1	[-999999,-999999]	Real_Interval	Cubic Metre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
<u>allowed values:</u> [-999999,-999999] No Information						
New Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime		The electrical conductivity of water.
<u>allowed values:</u> -999999						
New Water Resource Information : Water Flow	1	-999999	Real	Cubic Metres per Second	0	The rate of water flow through or exiting from a feature.
<u>allowed values:</u> -999999						
New Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre		The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
<u>allowed values:</u> -999999						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.

	allowed values:	Contaminated Potable	No Information Treatable	Nonpotable	Other		
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	The type of available water based on its composition.	
	allowed values:	Alkaline Mineral Saline	Brackish No Information Seawater	Brine Not Applicable	Fresh Other		
New	Water Resource Information : Water Use	3	No Information	Enumeration	Unitless	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.	
	allowed values:	Agricultural Irrigation Institutional Other	Commercial Livestock Power Generation	Domestic Irrigation Municipal Recreational	Industrial No Information Sanitary Domestic		
	Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: PumpingStation (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
PumpingStation (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
PumpingStation (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
PumpingStation (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
PumpingStation (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
PumpingStation (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
PumpingStation (Point 00) - is a member of configuration level - Exactly one - TDSLLocal (Feature 00)
PumpingStation (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
PumpingStation (Point 00) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup 00)

Feature Pylon (Point 00)

New ☐ Pylon

A pylon or pole used to support one or more cables.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
allowed values:		False	No Information	True		
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values:		-999999				
Cable : Cable Type	3	No Information	Enumeration	Unitless	0	The type of a cable based on its use.
allowed values:		Barrier Guide Power Line Tethering	Communication Line Load Bearing Restraining Towing	Digital Communication Line No Information Telegraph Transmission Line	Fibre-optic Other Telephone	
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values:		No Information Partially Operational	Non-operational Planned	Not in Operation Temporarily Non-operational	Operational	
New Feature Code	1	AT042	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values:		AT042				

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Pylon Information : Guyed	1	No Information	Boolean	Unitless	0	An indication that an object is guided, secured, or steadied by guy wires.
<i>allowed values:</i> False			No Information			True
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Pylon Information : Pylon Configuration	1	No Information	Enumeration	Unitless	0	The configuration of a pylon or pole.
<i>allowed values:</i> 'A' Other			'H' 'T'			'I' 'Y' No Information
Pylon Information : Pylon Material	1	No Information	Enumeration	Unitless	0	The primary type of material composing a pylon. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Aluminum Masonry Steel			Concrete Metal Wood			Fibreglass No Information Iron Other
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)	
U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration	
U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)	
U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)	
U.S. Transportation Command (USTRANSCOM)				
Restriction Information : Security Attributes Group (resource non-intelligence community markings)				
allowed values:	No Information			
Restriction Information : Security Attributes Group (resource owner-producer)				
allowed values:	No Information			
Specified Domain Values(s)				
allowed values:	No Information			
Pylon Information : Tower Shape				
allowed values:	Mast Tripod	No Information Truss	Other Tubular	Pole
Unique Entity Identifier				
allowed values:	No Information			
Vertical Obstruction Identifier				
allowed values:	No Information			
Width				
allowed values:	-999999			

Relationships: Pylon (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Pylon (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Pylon (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Pylon (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Pylon (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Pylon (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Pylon (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Pylon (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Pylon (Point 00) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup 00)

Feature QanatShaft (Point 00)New ☐ Qanat Shaft

A vertical shaft that provides access to an underground aqueduct and which is part of a qanat system. [Description] A qanat system consists a system of deep underground tunnels especially constructed to channel water from an uphill region to a dryer lower region for use (for example: a village, a garden, a crop land), and qanat shafts to provide access from the surface to the underground tunnels.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre		The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999						
New Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre		The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999						
New Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density		The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
New Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre		The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999						
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	BH012	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH012						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Other			Historical Transliterated Provisional			Native Transliterated Unverified Transliterated No Information Variant Transliterated
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless		The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i> Dry Perennial			Ephemeral			Intermittent No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
New Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre		The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Water Resource Information : pH of Water	1	-999999	Real	Milligrams per Litre		The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						

Process Step Information : Resource Content Originator						1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:						Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)					
						Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)					
						Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)					
						Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)						1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:						No Information					
Restriction Information : Security Attributes Group (resource owner-producer)						1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:						No Information					
Specified Domain Values(s)						1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:						No Information					
New	Water Resource Information : Sulfate Concentration					1	-999999	Real	Milligrams per Litre		The mass of sulfate ions per volume of solution.
allowed values:						-999999					
New	Water Resource Information : Temperature					1	-999999	Real	Degree Celsius		The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
allowed values:						-999999					
New	Water Resource Information : Total Dissolved Solids					1	-999999	Real	Milligrams per Litre		The total mass of dissolved inorganic chemical constituents per volume of solution.
allowed values:						-999999					
New	Water Resource Information : Turbidity					1	-999999	Real	Nephelometric Turbidity Units		The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
allowed values:						-999999					
Unique Entity Identifier						1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:						No Information					

New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	The electrical conductivity of water.
	<i>allowed values:</i> -999999					
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<i>allowed values:</i> -999999					
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	The potability of water based on the type of treatment required before it is safe for human consumption.
	<i>allowed values:</i> Contaminated Potable		No Information Treatable		Nonpotable	Other
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	The type of available water based on its composition.
	<i>allowed values:</i> Alkaline Mineral Saline		Brackish No Information Seawater		Brine Not Applicable	Fresh Other
	Width	1	-999999	REAL	Metre 0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: QanatShaft (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 QanatShaft (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 QanatShaft (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 QanatShaft (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 QanatShaft (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 QanatShaft (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 QanatShaft (Point 00) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup 00)
 QanatShaft (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature Racetrack (Area 00)

New ☐ Racetrack

A ground or tract marked out for racing. [Description] The track may be banked to facilitate high-speed racing, either by grading of the terrain or the use of structures. The bank angle may exceed 30 arc degrees and such structures can reach significant heights.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational		Operational
New Feature Code	1	AK130	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK130						

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Racetrack (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Racetrack (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Racetrack (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Racetrack (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Racetrack (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Racetrack (Area 00) - is a member of group - Exactly one - RecreationSrf (FeatureGroup 00)

Feature Racetrack (Line 00)

New ☐ Racetrack

A ground or tract marked out for racing. [Description] The track may be banked to facilitate high-speed racing, either by grading of the terrain or the use of structures. The bank angle may exceed 30 arc degrees and such structures can reach significant heights.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AK130	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK130						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						

Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) <i>No Information</i> Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) <i>Other</i> U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)			Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	<i>No Information</i>							
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	<i>No Information</i>							
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:	<i>No Information</i>							
Unique Entity Identifier		1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values:	<i>No Information</i>							
Width		1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	
allowed values:	<i>-999999</i>							

Relationships: Racetrack (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Racetrack (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Racetrack (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Racetrack (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Racetrack (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Racetrack (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Racetrack (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Racetrack (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Racetrack (Line 00) - is a member of group - Exactly one - RecreationCrv (FeatureGroup 00)

Feature RadarStation (Area 00) New ☐ Radar Station

A facility utilizing radar to detect and analyze objects (for example: aircraft, artificial satellites, asteroids, and/or missiles) and/or environmental phenomena (for example: tornadoes). [Description] May include both a radar aerial as well as a structure housing radar equipment.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AT045	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> AT045						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Air Transport No Information			Defence Activities Other			Government Weather Station Maritime Defense
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).
allowed values: Air Force Marines			Army Navy			Coastguard No Information Joint Other
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values: False			No Information			True
Permanent	1	No Information	Boolean	Unitless	0	An indication that a feature is permanent. [Description] Temporary features last, or are meant to last, for a limited time only.
allowed values: FALSE			No Information			TRUE
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
allowed values: Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Radar Antenna Configuration	1	No Information	Enumeration	Unitless	0	The physical mounting and/or configuration of a radar antenna.
allowed values: Dome Enclosed Radome			Mast Mounted Radome on Tower			No Information Scanner Other Tower Mounted
Radar Station Function	1	No Information	Enumeration	Unitless	0	The primary purpose served by a radar station.
allowed values: Aircraft Flight Tracking General Surveillance Satellite Tracking			Coastal Radar Launch Control Tracking Weather			Early Warning No Information Fire Control Tracking Other
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values: Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)			Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)
						Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: RadarStation (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 RadarStation (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 RadarStation (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 RadarStation (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 RadarStation (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 RadarStation (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 RadarStation (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 RadarStation (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 RadarStation (Area 00) - is a member of group - Exactly one - FacilitySrf (FeatureGroup 00)

Feature RadarStation (Point 00)New ☐ Radar Station

A facility utilizing radar to detect and analyze objects (for example: aircraft, artificial satellites, asteroids, and/or missiles) and/or environmental phenomena (for example: tornadoes). [Description] May include both a radar aerial as well as a structure housing radar equipment.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AT045	CONSTRAINED_STRING	Unitless	5	Feature Code

allowed values: AT045

Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.	
<i>allowed values:</i>	Air Transport No Information		Defence Activities Other			Government Weather Station	Maritime Defense
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.	
<i>allowed values:</i>	No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
<i>allowed values:</i>	-999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<i>allowed values:</i>	-999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i>	-999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i>	No Information						
Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).	
<i>allowed values:</i>	Air Force Marines		Army Navy			Coastguard No Information	Joint Other
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i>	No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
<i>allowed values:</i>	False		No Information			True	
Permanent	1	No Information	Boolean	Unitless	0	An indication that a feature is permanent. [Description] Temporary features last, or are meant to last, for a limited time only.	
<i>allowed values:</i>	FALSE		No Information			TRUE	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.	
<i>allowed values:</i>	Damaged No Information Unmaintained		Destroyed Ruined			Dismantled Site Preparation	Intact Under Construction
Radar Antenna Configuration	1	No Information	Enumeration	Unitless	0	The physical mounting and/or configuration of a radar antenna.	
<i>allowed values:</i>	Dome Enclosed Radome		Mast Mounted Radome on Tower			No Information Scanner	Other Tower Mounted
Radar Station Function	1	No Information	Enumeration	Unitless	0	The primary purpose served by a radar station.	
<i>allowed values:</i>	Aircraft Flight Tracking General Surveillance Satellite Tracking		Coastal Radar Launch Control Tracking Weather			Early Warning No Information	Fire Control Tracking Other

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> <div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						

Relationships: RadarStation (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 RadarStation (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 RadarStation (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 RadarStation (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 RadarStation (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 RadarStation (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 RadarStation (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 RadarStation (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 RadarStation (Point 00) - is a member of group - Exactly one - FacilityPnt (FeatureGroup 00)

Feature **Railway (Line 00)** New ☐ Railway

One or more railway tracks comprising a network that is operated for the conveyance of passengers and/or goods.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
<i>allowed values:</i> False			No Information			True
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Deck Level	1	-999999	REAL	Unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AN010	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AN010						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i> Accurate			Approximate			Doubtful No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Linear Feature Arrangement	1	No Information	Enumeration	Unitless	0	The arrangement of parallel linear features on a single support structure including both directions (if applicable). [Description] For example, two railways sharing a single roadbed.
<i>allowed values:</i> Double Arrangement Other			Juxtaposition Single Arrangement			Multiple Arrangements No Information
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Railway Class	1	No Information	Enumeration	Unitless	0	The class of a railway based on its importance in the general transportation network.
<i>allowed values:</i> Branch-line Other			High Speed Rail			Main Line No Information
Track Information : Railway Gauge	1	-999999	REAL	Metre	0	The distance between a single pair of rails of a railway, measured along the shortest distance from inside rail to inside rail.
<i>allowed values:</i> -999999						
Track Information : Railway Gauge Classification	1	No Information	Enumeration	Unitless	0	The classification of a railway based on the distance between a single pair of rails, measured along the shortest distance from inside rail to inside rail.
<i>allowed values:</i> Broad			Narrow			No Information Standard
Track Information : Railway in Road	1	No Information	Boolean	Unitless	0	An indication that a railway track is located within the bounds of a roadbed. [Description] For example, an infrequently used railway spur in a roadway or a carline running (regularly) in a roadway.
<i>allowed values:</i> False			No Information			True
Track Information : Railway Power Method	1	No Information	Enumeration	Unitless	0	The method by which electrical power is distributed on a railway, if any.
<i>allowed values:</i> Electrified Track Overhead Electrified			No Information			Non-electrified Other
Railway Use	3	No Information	Enumeration	Unitless	0	The use(s) to which a railway is put as part of a transportation system.
<i>allowed values:</i> Automated Transit System Long-haul Other			Carline Marine Railway Rail Rapid Transit			Funicular Museum Tramway Logging No Information Underground Railway
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
<i>allowed values:</i> Depressed Raised			Level			No Information Not Applicable
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) <i>No Information</i> Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) <i>Other</i> U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	<i>No Information</i>						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	<i>No Information</i>						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:	<i>No Information</i>						
Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.	
allowed values:	<i>False</i>		<i>No Information</i>		<i>True</i>		
Surface Slope	1	[-999999, -999999]	REAL_Interval	Percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.	
allowed values:	[-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval		Closed Interval Greater-than-or-equal to Less-than Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval		Greater-than Semi-interval Less-than Semi-interval
Survey Coverage Category	1	No Information	Enumeration	Unitless		A general evaluation of the coverage quality of a survey, as a category. [Description] See possibly accompanying Attribute: 'Position Quality Category' for additional survey-related information.	
allowed values:	<i>No Information</i>						
Track or Lane Count	1	-999999	REAL	Unitless	0	The total number of independent, parallel paths (for example: a railway track and/or a road lane) in both directions within a route.	
allowed values:	<i>-999999</i>						
Track Information : Track Type	1	No Information	Enumeration	Unitless	0	The type of function, configuration, and/or management of a railway track.	
allowed values:	Crane Track Ladder Track <i>Other</i> Team Track		Drill Track Maglev Paired Track		House Track Monorail Rip Track		Joint Track <i>No Information</i> Stub Track

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
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allowed values: Below Ground Surface

No Information

On Surface

On Waterbody Bottom

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Railway (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Railway (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Railway (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Railway (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Railway (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Railway (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Railway (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Railway (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Railway (Line 00) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup 00)

Feature RailwaySidetrack (Line 00)

New ☐ Railway Sidetrack

A stretch of railway track connected to a main railway and used for temporary storage, passing, loading, and/or unloading.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Branch Railway Type	1	No Information	Enumeration	Unitless	0	The function or configuration of a branch railway.
<u>allowed values:</u> No Information Spur			Other			Passing Siding
Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
<u>allowed values:</u> False			No Information			True
Cumulative Track Length	1	-999999	REAL	Metre	0	The total cumulative length of track contained within the confines of the feature, exclusive of the branch or main trunk lines running into and/or out of the feature.
<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AN050	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AN050						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Track Information : Railway Gauge	1	-999999	REAL	Metre	0	The distance between a single pair of rails of a railway, measured along the shortest distance from inside rail to inside rail.
<i>allowed values:</i> -999999						
Track Information : Railway Gauge Classification	1	No Information	Enumeration	Unitless	0	The classification of a railway based on the distance between a single pair of rails, measured along the shortest distance from inside rail to inside rail.
<i>allowed values:</i> Broad			Narrow			No Information Standard
Track Information : Railway in Road	1	No Information	Boolean	Unitless	0	An indication that a railway track is located within the bounds of a roadbed. [Description] For example, an infrequently used railway spur in a roadway or a carline running (regularly) in a roadway.
<i>allowed values:</i> False			No Information			True
Track Information : Railway Power Method	1	No Information	Enumeration	Unitless	0	The method by which electrical power is distributed on a railway, if any.
<i>allowed values:</i> Electrified Track Overhead Electrified			No Information			Non-electrified Other
Railway Use	3	No Information	Enumeration	Unitless	0	The use(s) to which a railway is put as part of a transportation system.
<i>allowed values:</i> Carline Tramway			Funicular			No Information Other
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
<i>allowed values:</i> Depressed Raised			Level			No Information Not Applicable
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) <i>No Information</i> Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) <i>Other</i> U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	<i>No Information</i>					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	<i>No Information</i>					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	<i>No Information</i>					
Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.
allowed values:	<i>False</i>		<i>No Information</i>		<i>True</i>	
Surface Slope	1	[-999999, -999999]	REAL_Interval	Percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
allowed values:	<i>[-999999, -999999]</i> <i>Greater-than to Less-than-or-equal Interval</i> <i>Open Interval</i>		<i>Closed Interval</i> <i>Greater-than-or-equal to Less-than Interval</i>		<i>Greater-than or Equal Semi-interval</i> <i>Less-than or Equal Semi-interval</i>	<i>Greater-than Semi-interval</i> <i>Less-than Semi-interval</i>
Track or Lane Count	1	-999999	REAL	Unitless	0	The total number of independent, parallel paths (for example: a railway track and/or a road lane) in both directions within a route.
allowed values:	<i>-999999</i>					
Track Information : Track Type	1	No Information	Enumeration	Unitless	0	The type of function, configuration, and/or management of a railway track.
allowed values:	Crane Track Ladder Track <i>Other</i> Team Track		Drill Track Maglev Paired Track		House Track Monorail Rip Track	Joint Track <i>No Information</i> Stub Track
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
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allowed values: Below Ground Surface

No Information

On Surface

On Waterbody Bottom

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: RailwaySidetrack (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 RailwaySidetrack (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 RailwaySidetrack (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 RailwaySidetrack (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 RailwaySidetrack (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 RailwaySidetrack (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 RailwaySidetrack (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 RailwaySidetrack (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 RailwaySidetrack (Line 00) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup 00)

Feature RailwaySignal (Point 00)New ☐ Railway Signal**A signal used to control traffic on a railway.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999

Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
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allowed values: No Information

Partially Operational

Non-operational
Planned

Not in Operation

Temporarily Non-operational

Operational

New

Feature Code	1	AN085	CONSTRAINED_STRING	Unitless	5	Feature Code
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allowed values: AN085

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

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999

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

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

New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
allowed values: <i>Damaged</i> <i>Destroyed</i> <i>Dismantled</i> <i>Intact</i> <i>No Information</i> <i>Ruined</i> <i>Site Preparation</i> <i>Under Construction</i> <i>Unmaintained</i>							
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: <i>U</i>							
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values: Army Geographic Agency (Netherlands) Army Geographic Centre (Spain) Army Geographic Institute (Portugal) Bundeswehr Geoinformation Office (Germany) Defence Acquisition and Logistics Organization (Denmark) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Defence Imagery and Geospatial Organisation (Australia) Defense Information Security (Italy) General Command of Mapping (Turkey) Geographic Service (Belgium) Geographic Service of the Czech Armed Forces (Czech Republic) Geospatial Information Agency (Latvia) Geospatial Intelligence Organisation (New Zealand) Hellenic Military Geographic Service (Greece) Joint Geography Bureau (France) Mapping and Charting Establishment (Canada) Mapping Service (Hungary) Military Geographic Group (Estonia) Military Geographic Service (Norway) Military Geography Division (Poland) Military Mapping Centre (Lithuania) Military Topographic Directorate (Romania) Military Topographic Service (Bulgaria) National Army Topographic Service (Moldova) <i>No Information</i> <i>Other</i> Swedish Armed Forces (Sweden) Topographic Institute (Slovakia) Topographic Service (Finland) U.S. Africa Command (USAFRICOM) U.S. Air Force U.S. Army U.S. Army Geospatial Center (AGC) U.S. Central Command (USCENTCOM) U.S. Central Intelligence Agency (CIA) U.S. Coast Guard U.S. Defense Intelligence Agency (DIA) U.S. Department of Energy (DOE) U.S. Department of Homeland Security (DHS) U.S. Department of State U.S. European Command (USEUCOM) U.S. Federal Bureau of Investigation (FBI) U.S. Geological Survey (USGS) U.S. Joint Forces Command (USJFCOM) U.S. Marine Corps U.S. National Civil Applications Program (NCAP) U.S. National Geospatial-Intelligence Agency (NGA) U.S. National Oceanic and Atmospheric Administration U.S. National Reconnaissance Office (NRO) U.S. National Security Agency (NSA) U.S. Navy U.S. Northern Command (USNORTHCOM) U.S. Pacific Command (PACOM) U.S. Southern Command (USSOUTHCOM) U.S. Special Operations Command (USSOCOM) U.S. Strategic Command (USSTRATCOM) U.S. Transportation Command (USTRANSCOM)							
	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: <i>No Information</i>							
	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: <i>No Information</i>							
	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: <i>No Information</i>							
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: <i>No Information</i>							
	Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: RailwaySignal (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 RailwaySignal (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 RailwaySignal (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 RailwaySignal (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 RailwaySignal (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 RailwaySignal (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)

Feature RailwayTurntable (Area 00)New ☐ Railway Turntable**A rotating platform with railway tracks used for turning locomotives and/or railway carriages. [Description] May be enclosed within a structure.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AN075	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AN075						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Track Information : Railway Gauge	1	-999999	REAL	Metre	0	The distance between a single pair of rails of a railway, measured along the shortest distance from inside rail to inside rail.
<u>allowed values:</u> -999999						
Track Information : Railway Gauge Classification	1	No Information	Enumeration	Unitless	0	The classification of a railway based on the distance between a single pair of rails, measured along the shortest distance from inside rail to inside rail.
<u>allowed values:</u> Broad			Narrow			No Information Standard

Track Information : Railway Power Method		1	No Information	Enumeration	Unitless	0	The method by which electrical power is distributed on a railway, if any.
allowed values: Electrified Track Overhead Electrified			No Information				Non-electrified Other
Restriction Information : Security Attributes Group (resource classification)		1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U							
Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values: Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information							
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information							
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information							
Track Information : Track Type		1	No Information	Enumeration	Unitless	0	The type of function, configuration, and/or management of a railway track.
allowed values: Crane Track Ladder Track Other Team Track			Drill Track Maglev Paired Track		House Track Monorail Rip Track		Joint Track No Information Stub Track
Unique Entity Identifier		1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information							

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: RailwayTurntable (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 RailwayTurntable (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 RailwayTurntable (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 RailwayTurntable (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 RailwayTurntable (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 RailwayTurntable (Area 00) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup 00)

Feature RailwayTurntable (Point 00)

New ☐ Railway Turntable

A rotating platform with railway tracks used for turning locomotives and/or railway carriages. [Description] May be enclosed within a structure.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AN075	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AN075						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.

<i>allowed values:</i> <i>Damaged</i> No Information <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>			<i>Dismantled</i> <i>Site Preparation</i>	<i>Intact</i> <i>Under Construction</i>
Track Information : Railway Gauge	1	-999999	REAL	Metre	0	The distance between a single pair of rails of a railway, measured along the shortest distance from inside rail to inside rail.	
<i>allowed values:</i> <i>-999999</i>							
Track Information : Railway Gauge Classification	1	No Information	Enumeration	Unitless	0	The classification of a railway based on the distance between a single pair of rails, measured along the shortest distance from inside rail to inside rail.	
<i>allowed values:</i> Broad			Narrow			No Information	Standard
Track Information : Railway Power Method	1	No Information	Enumeration	Unitless	0	The method by which electrical power is distributed on a railway, if any.	
<i>allowed values:</i> Electrified Track Overhead Electrified			No Information			Non-electrified	Other
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i> <i>U</i>							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
<i>allowed values:</i> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)			Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
<i>allowed values:</i> No Information							
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
<i>allowed values:</i> No Information							
Track Information : Track Type	1	No Information	Enumeration	Unitless	0	The type of function, configuration, and/or management of a railway track.	

allowed values: Crane Track
Ladder Track
Other
Team Track

Drill Track
Maglev
Paired Track

House Track
Monorail
Rip Track

Joint Track
No Information
Stub Track

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: RailwayTurntable (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
RailwayTurntable (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
RailwayTurntable (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
RailwayTurntable (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
RailwayTurntable (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
RailwayTurntable (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
RailwayTurntable (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)

Feature RailwayYard (Area 00)

New ☐ Railway Yard

A system of railway tracks and associated structures that are located within defined limits and that provide for loading, unloading, and/or assembling trains.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
allowed values: No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Cumulative Track Length	1	-999999	REAL	Metre	0	The total cumulative length of track contained within the confines of the feature, exclusive of the branch or main trunk lines running into and/or out of the feature.
allowed values: -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a facility, as a whole.
allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AN060	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: AN060						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
allowed values: No Information Station			Other Transfer Hub			Railway Vehicle Manufacture Warehousing and Storage Railway Vehicle Repair
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.

allowed values: No Information

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Track Information : Railway Gauge	1	-999999	REAL	Metre	0	The distance between a single pair of rails of a railway, measured along the shortest distance from inside rail to inside rail.
<i>allowed values:</i> -999999						
Track Information : Railway Gauge Classification	1	No Information	Enumeration	Unitless	0	The classification of a railway based on the distance between a single pair of rails, measured along the shortest distance from inside rail to inside rail.
<i>allowed values:</i> Broad			Narrow		No Information	Standard
Track Information : Railway Power Method	1	No Information	Enumeration	Unitless	0	The method by which electrical power is distributed on a railway, if any.
<i>allowed values:</i> Electrified Track Overhead Electrified			No Information		Non-electrified	Other
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Track or Lane Count	1	-999999	REAL	Unitless	0	The total number of independent, parallel paths (for example: a railway track and/or a road lane) in both directions within a route.
allowed values:	-999999					
Track Information : Track Type	1	No Information	Enumeration	Unitless	0	The type of function, configuration, and/or management of a railway track.
allowed values:	Crane Track Ladder Track Other Team Track		Drill Track Maglev Paired Track		House Track Monorail Rip Track	Joint Track No Information Stub Track
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: RailwayYard (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 RailwayYard (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 RailwayYard (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 RailwayYard (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 RailwayYard (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 RailwayYard (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 RailwayYard (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 RailwayYard (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 RailwayYard (Area 00) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup 00)

Feature **RailwayYard (Point 00)** New ☐ Railway Yard

A system of railway tracks and associated structures that are located within defined limits and that provide for loading, unloading, and/or assembling trains.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Cumulative Track Length	1	-999999	REAL	Metre	0	The total cumulative length of track contained within the confines of the feature, exclusive of the branch or main trunk lines running into and/or out of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AN060	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AN060						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> No Information Station			Other Transfer Hub			Railway Vehicle Manufacture Warehousing and Storage Railway Vehicle Repair
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: "Greatest Horizontal Extent"), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False No Information True						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u> Damaged Destroyed Dismantled Intact No Information Ruined Site Preparation Under Construction Unmaintained						
Track Information : Railway Gauge	1	-999999	REAL	Metre	0	The distance between a single pair of rails of a railway, measured along the shortest distance from inside rail to inside rail.
<u>allowed values:</u> -999999						
Track Information : Railway Gauge Classification	1	No Information	Enumeration	Unitless	0	The classification of a railway based on the distance between a single pair of rails, measured along the shortest distance from inside rail to inside rail.
<u>allowed values:</u> Broad Narrow No Information Standard						
Track Information : Railway Power Method	1	No Information	Enumeration	Unitless	0	The method by which electrical power is distributed on a railway, if any.
<u>allowed values:</u> Electrified Track No Information Non-electrified Other Overhead Electrified						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u> Army Geographic Agency (Netherlands) Army Geographic Centre (Spain) Army Geographic Institute (Portugal) Bundeswehr Geoinformation Office (Germany) Defence Acquisition and Logistics Organization (Denmark) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Defence Imagery and Geospatial Organisation (Australia) Defense Information Security (Italy) General Command of Mapping (Turkey) Geographic Service (Belgium) Geographic Service of the Czech Armed Forces (Czech Republic) Geospatial Information Agency (Latvia) Geospatial Intelligence Organisation (New Zealand) Hellenic Military Geographic Service (Greece) Joint Geography Bureau (France) Mapping and Charting Establishment (Canada) Mapping Service (Hungary) Military Geographic Group (Estonia) Military Geographic Service (Norway) Military Geography Division (Poland) Military Mapping Centre (Lithuania) Military Topographic Directorate (Romania) Military Topographic Service (Bulgaria) National Army Topographic Service (Moldova) No Information Other Swedish Armed Forces (Sweden) Topographic Institute (Slovakia) Topographic Service (Finland) U.S. Africa Command (USAFRICOM) U.S. Air Force U.S. Army U.S. Army Geospatial Center (AGC) U.S. Central Command (USCENTCOM) U.S. Central Intelligence Agency (CIA) U.S. Coast Guard U.S. Defense Intelligence Agency (DIA) U.S. Department of Energy (DOE) U.S. Department of Homeland Security (DHS) U.S. Department of State U.S. European Command (USEUCOM) U.S. Federal Bureau of Investigation (FBI) U.S. Geological Survey (USGS) U.S. Joint Forces Command (USJFCOM) U.S. Marine Corps U.S. National Civil Applications Program (NCAP) U.S. National Geospatial-Intelligence Agency (NGA) U.S. National Oceanic and Atmospheric Administration U.S. National Reconnaissance Office (NRO) U.S. National Security Agency (NSA) U.S. Navy U.S. Northern Command (USNORTHCOM) U.S. Pacific Command (PACOM) U.S. Southern Command (USSOUTHCOM) U.S. Special Operations Command (USSOCOM) U.S. Strategic Command (USSTRATCOM) U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.

allowed values: No Information

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
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allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Track or Lane Count	1	-999999	REAL	Unitless	0	The total number of independent, parallel paths (for example: a railway track and/or a road lane) in both directions within a route.
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allowed values: -999999

Track Information : Track Type	1	No Information	Enumeration	Unitless	0	The type of function, configuration, and/or management of a railway track.
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<u>allowed values:</u> Crane Track Ladder Track Other Team Track			Drill Track Maglev Paired Track			House Track Monorail Rip Track Joint Track No Information Stub Track
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Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: RailwayYard (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 RailwayYard (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 RailwayYard (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 RailwayYard (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 RailwayYard (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)
 RailwayYard (Point 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 RailwayYard (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature Ramp (Area 00)New ☐ Ramp**An inclined plane, usually man-made, for moving between two levels.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999

Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
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<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
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New Feature Code	1	AL195	CONSTRAINED_STRING	Unitless	5	Feature Code
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allowed values: AL195

Geographic Name Information : Full Name		1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.	
<i>allowed values:</i> No Information								
Length		1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999								
Note : Memorandum		1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information								
Geographic Name Information : Name Identifier		1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information								
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.	
	<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction	
Restriction Information : Security Attributes Group (resource classification)		1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i> U								
Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
<i>allowed values:</i>								

allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Ramp (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Ramp (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Ramp (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Ramp (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Ramp (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Ramp (Area 00) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup 00)

Feature Ramp (Line 00)New ☐ Ramp**An inclined plane, usually man-made, for moving between two levels.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999

Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>

New Feature Code	1	AL195	CONSTRAINED_STRING	Unitless	5	Feature Code
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allowed values: AL195

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

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999

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

Geographic Name Information : Name Identifier		1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information								
New Physical Condition	1	No Information	Enumeration	Unitless			The physical state of a structure, or site, as a whole.	
	<i>allowed values:</i> Damaged No Information Unmaintained		Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction		
Restriction Information : Security Attributes Group (resource classification)		1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i> U								
Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
<i>allowed values:</i>		Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
<i>allowed values:</i> No Information								
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
<i>allowed values:</i> No Information								
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
<i>allowed values:</i> No Information								
Unique Entity Identifier		1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
<i>allowed values:</i> No Information								

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Ramp (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Ramp (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Ramp (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Ramp (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Ramp (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Ramp (Line 00) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup 00)

Feature Rapids (Area 00)

New ☐ Rapids

Portions of a stream with accelerated current where it descends rapidly but without a break in the slope of the bed sufficient to form a waterfall. [Description] The surface is usually broken by boulders and rocks.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Feature Code	1	BH120	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH120						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: Rapids (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Rapids (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Rapids (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Rapids (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Rapids (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Rapids (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Rapids (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Rapids (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Rapids (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)

Feature Rapids (Line 00)New ☐ Rapids

Portions of a stream with accelerated current where it descends rapidly but without a break in the slope of the bed sufficient to form a waterfall. [Description] The surface is usually broken by boulders and rocks.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	BH120	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BH120						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False			No Information			True
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Rapids (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Rapids (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Rapids (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Rapids (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Rapids (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Rapids (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Rapids (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Rapids (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Rapids (Line 00) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup 00)

Feature Rapids (Point 00)

New ☐ Rapids

Portions of a stream with accelerated current where it descends rapidly but without a break in the slope of the bed sufficient to form a waterfall. [Description] The surface is usually broken by boulders and rocks.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	BH120	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BH120						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False			No Information			True
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)	
U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration	
U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)	
U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)	
U.S. Transportation Command (USTRANSCOM)				
Restriction Information : Security Attributes Group (resource non-intelligence community markings)				
allowed values:	No Information			
Restriction Information : Security Attributes Group (resource owner-producer)				
allowed values:	No Information			
Specified Domain Values(s)				
allowed values:	No Information			
Unique Entity Identifier				
allowed values:	No Information			
Width				

allowed values: -999999

- Relationships:**
- Rapids (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 - Rapids (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 - Rapids (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 - Rapids (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 - Rapids (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 - Rapids (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 - Rapids (Point 00) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup 00)
 - Rapids (Point 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 - Rapids (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature RecyclingSite (Area 00)

New ☐ Recycling Site

A site engaged in the wrecking, dismantling, storage, recycling, and/or disposal of discarded or scrap products. [Description] For example, a wrecking yard or a scrap yard.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AB010	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AB010						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.

<i>allowed values:</i> <i>Damaged</i> No Information <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>			<i>Dismantled</i> <i>Site Preparation</i>	<i>Intact</i> <i>Under Construction</i>
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i> <i>U</i>							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
<i>allowed values:</i> No Information							
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
<i>allowed values:</i> No Information							
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
<i>allowed values:</i> No Information							
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999							

Relationships: RecyclingSite (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 RecyclingSite (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 RecyclingSite (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 RecyclingSite (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 RecyclingSite (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 RecyclingSite (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 RecyclingSite (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 RecyclingSite (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 RecyclingSite (Area 00) - is a member of group - Exactly one - IndustrySrf (FeatureGroup 00)

Feature Reef (Area 00) New ☐ Reef

A mass of rock or coral which either reaches close to the sea surface or is exposed at low tide, posing a hazard to navigation.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Delineation Known	1	No Information	Boolean	Unitless	0	An indication that the delineation (for example: limits and information) of a feature is known.
<u>allowed values:</u> FALSE			No Information			TRUE
New Feature Code	1	BD120	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BD120						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
allowed values:	Coral		No Information			Other Rock
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Hydrographic Vertical Positioning Information : Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.
allowed values:	Always Dry No Information		Always Submerged Other			Awash at Low WaterCovers and Uncovers

Relationships: Reef (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Reef (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Reef (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Reef (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Reef (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)
 Reef (Area 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
 Reef (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 Reef (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature Reef (Line 00)

New ☐ Reef

A mass of rock or coral which either reaches close to the sea surface or is exposed at low tide, posing a hazard to navigation.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Delineation Known	1	No Information	Boolean	Unitless	0	An indication that the delineation (for example: limits and information) of a feature is known.
<u>allowed values:</u> FALSE			No Information			TRUE
New Feature Code	1	BD120	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BD120						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u> No Information						

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Coral			<i>No Information</i>			<i>Other</i> Rock
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Hydrographic Vertical Positioning Information : Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.
<i>allowed values:</i> Always Dry No Information			Always Submerged Other			Awash at Low Water Covers and Uncovers

Relationships: Reef (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Reef (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Reef (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Reef (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Reef (Line 00) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup 00)
 Reef (Line 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Reef (Line 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
 Reef (Line 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 Reef (Line 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature RetailStand (Area 00)

New ☐ Retail Stand

A small structure that stands alone, and is designated for the purpose of supplying a product (for example: souvenirs, magazines, snacks or refreshments) or service (for example: a shoe shine) to passers-by. [Description] It may be roofed (for example: a newspaper stand along the side of a city street or the attendant's booth in a parking lot or at a taxi cab stand), covered by an awning (for example: a cellular phone booth in the center of the promenade of a shopping mall or a hot dog stand on a city sidewalk), or unroofed. Although often semi-permanent in nature it may be wheeled and portable on a seasonal basis or more frequently as business conditions warrant.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AL180	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL180						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.

<i>allowed values:</i> Commerce No Information Retail Banking			<i>Food Service</i> Other <i>Retail Sale</i>			Government Postal Activities	Mobile Phone Service Restaurant
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.	
<i>allowed values:</i> No Information							
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
<i>allowed values:</i> -999999							
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<i>allowed values:</i> -999999							
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information							
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
<i>allowed values:</i> False			No Information			True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.	
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation	Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i> U							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
allowed values: Brick No Information			Concrete Other			Masonry Plastic Metal Wood
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: RetailStand (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 RetailStand (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 RetailStand (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 RetailStand (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 RetailStand (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 RetailStand (Area 00) - is a member of group - Exactly one - CultureSrf (FeatureGroup 00)

Feature RiceField (Area 00)

New ☐ Rice Field

A tract that is periodically covered with water and is used for growing rice.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre		The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999						
Average Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999, -999999]			No Information			
New Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre		The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999						
New Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density		The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999						
Crop Information : Crop Species	1	Rice	Enumeration	Unitless	0	The predominant species of a crop land.
<i>allowed values:</i> Rice						
New Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre		The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999						
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i> -999999						
Crop Information : Farming Method	3	No Information	Enumeration	Unitless	0	The agricultural practice(s) in use within an agro-ecosystem.
<i>allowed values:</i> Fallow Permanent			Grazing Permanent Irrigation			No Information Slash and Burn Other
Crop Information : Farming Pattern	3	No Information	Enumeration	Unitless	0	The general arrangement(s) and/or pattern(s) of farming fields.
<i>allowed values:</i> Intermingled Trees No Information Treeless			Intermingled Woods Other Trellised			Irregular Regular Linear Terraced
New Feature Code	1	BH135	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH135						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Hydrologic Persistence	1	No Information	Enumeration	Unitless		The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i> Dry Perennial			Ephemeral			Intermittent No Information

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999						
New Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre		The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
allowed values: -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
New Water Resource Information : pH of Water	1	-999999	Real	Milligrams per Litre		The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
allowed values: -999999						
Predominant Maximum Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
allowed values: [-999999, -999999]			No Information			
Predominant Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
allowed values: [-999999, -999999]			No Information			
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
						Bundeswehr Geoinformation Office (Germany)
						Defense Information Security (Italy)
						Geospatial Information Agency (Latvia)
						Mapping and Charting Establishment (Canada)
						Military Geography Division (Poland)
						National Army Topographic Service (Moldova)
						Topographic Institute (Slovakia)
						U.S. Army
						U.S. Coast Guard
						U.S. Department of State
						U.S. Joint Forces Command (USJFCOM)
						U.S. National Oceanic and Atmospheric Administration
						U.S. Northern Command (USNORTHCOM)
						U.S. Strategic Command (USSTRATCOM)

	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
	<u>allowed values:</u> No Information						
	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
	<u>allowed values:</u> No Information						
	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
	<u>allowed values:</u> No Information						
New	Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre		The mass of sulfate ions per volume of solution.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Temperature	1	-999999	Real	Degree Celsius		The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre		The total mass of dissolved inorganic chemical constituents per volume of solution.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units		The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<u>allowed values:</u> -999999						
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<u>allowed values:</u> No Information						
	Vegetation Trafficability Impact	1	[-999999, -999999]	Real_Interval	Percent		The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
	<u>allowed values:</u> [-999999, -999999]						
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime		The electrical conductivity of water.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre		The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<u>allowed values:</u> -999999						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless		The potability of water based on the type of treatment required before it is safe for human consumption.
	<u>allowed values:</u> Contaminated Potable			No Information Treatable		Nonpotable Other	
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless		The type of available water based on its composition.

	<i>allowed values:</i>	Alkaline		Brackish		Brine		Fresh
		Mineral		No Information		Not Applicable		Other
		Saline		Seawater				
New	Water Resource Information : Water Use	1	No Information	Enumeration	Unitless	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.		
	<i>allowed values:</i>	Agricultural Irrigation		Commercial		Domestic Irrigation		Industrial
		Institutional		Livestock		Municipal		No Information
		Other		Power Generation		Recreational		Sanitary Domestic
	Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	

allowed values: -999999

Relationships: RiceField (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 RiceField (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 RiceField (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 RiceField (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 RiceField (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 RiceField (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 RiceField (Area 00) - is a member of configuration level - Exactly one - TDSLLocal (Feature 00)
 RiceField (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 RiceField (Area 00) - is a member of group - Exactly one - AgricultureSrf (FeatureGroup 00)

Feature Rig (Area 00)

New ☐ **Rig**

A superstructure fitted for drilling or lifting operations for extraction and/or exploitation of natural resources.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
allowed values: False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values: No Information			Non-operational			Not in Operation
allowed values: Partially Operational			Planned			Temporarily Non-operational
New Feature Code	1	AA040	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: AA040						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values: No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
allowed values: -999999						

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Location Referenced to Shoreline	1	No Information	Enumeration	Unitless	0	The location of an object in relation to a land water boundary.
<i>allowed values:</i> At Shoreline			Inland			No Information Offshore
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Brine Petroleum			Gas Water			No Information Other
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)	
U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration	
U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)	
U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)	
U.S. Transportation Command (USTRANSCOM)				
Restriction Information : Security Attributes Group (resource non-intelligence community markings)				
allowed values:	No Information			
Restriction Information : Security Attributes Group (resource owner-producer)				
allowed values:	No Information			
Specified Domain Values(s)				
allowed values:	No Information			
Unique Entity Identifier				
allowed values:	No Information			
Vertical Construction Material				
allowed values:	Aluminum	Iron	Metal	No Information
	Other	Steel	Wood	
Vertical Obstruction Identifier				
allowed values:	No Information			
Width				
allowed values:	-999999			

Relationships: Rig (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Rig (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Rig (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Rig (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Rig (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Rig (Area 00) - is a member of group - Exactly one - IndustrySrf (FeatureGroup 00)

Feature Rig (Point 00) New ☐ Rig

A superstructure fitted for drilling or lifting operations for extraction and/or exploitation of natural resources.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> <i>-999999</i>						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> <i>No Information</i> <i>Partially Operational</i>			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AA040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> <i>AA040</i>						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> <i>No Information</i>						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> <i>-999999</i>						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> <i>-999999</i>						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> <i>-999999</i>						
Location Referenced to Shoreline	1	No Information	Enumeration	Unitless	0	The location of an object in relation to a land water boundary.
<i>allowed values:</i> <i>At Shoreline</i>			Inland			No Information Offshore
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> <i>No Information</i>						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.

<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
No Information						
True						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged						
No Information						
Unmaintained						
Destroyed						
Ruined						
Dismantled						
Site Preparation						
Intact						
Under Construction						
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Brine						
Petroleum						
Gas						
Water						
No Information						
Other						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands)						
Defence Acquisition and Logistics Organization (Denmark)						
General Command of Mapping (Turkey)						
Army Geographic Centre (Spain)						
Defence Geographic Centre Intelligence Collection Group (United Kingdom)						
Geographic Service (Belgium)						
Army Geographic Institute (Portugal)						
Defence Imagery and Geospatial Organisation (Australia)						
Geographic Service of the Czech Armed Forces (Czech Republic)						
Bundeswehr Geoinformation Office (Germany)						
Defense Information Security (Italy)						
Geospatial Intelligence Organisation (New Zealand)						
Mapping Service (Hungary)						
Military Mapping Centre (Lithuania)						
No Information						
Geospatial Information Agency (Latvia)						
Topographic Service (Finland)						
U.S. Army Geospatial Center (AGC)						
U.S. Defense Intelligence Agency (DIA)						
U.S. European Command (USEUCOM)						
U.S. Marine Corps						
Hellenic Military Geographic Service (Greece)						
Military Geographic Group (Estonia)						
Military Topographic Directorate (Romania)						
Other						
Mapping and Charting Establishment (Canada)						
U.S. Africa Command (USAFRICOM)						
U.S. Central Command (USCENTCOM)						
U.S. Department of Energy (DOE)						
U.S. Federal Bureau of Investigation (FBI)						
U.S. National Civil Applications Program (NCAP)						
Joint Geography Bureau (France)						
Military Geographic Service (Norway)						
Military Topographic Service (Bulgaria)						
Swedish Armed Forces (Sweden)						
U.S. Air Force						
U.S. Central Intelligence Agency (CIA)						
U.S. Department of Homeland Security (DHS)						
U.S. Geological Survey (USGS)						
U.S. National Geospatial-Intelligence Agency (NGA)						
Topographic Institute (Slovakia)						
U.S. Army						
U.S. Coast Guard						
U.S. Department of State						
U.S. Joint Forces Command (USJFCOM)						
U.S. National Oceanic and Atmospheric Administration						
U.S. Northern Command (USNORTHCOM)						
U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum Other			Iron Steel			Metal Wood No Information
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Rig (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Rig (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Rig (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Rig (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Rig (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Rig (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Rig (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Rig (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Rig (Point 00) - is a member of group - Exactly one - IndustryPnt (FeatureGroup 00)

Feature River (Area 00)New ☐ River**A natural flowing watercourse.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Inland Waterbody Bank (2) : Above Water Bank Slope (second bank)	1	-999999	REAL	Percent	0	The amount of upward inclination between the horizontal surface of the mean water level of a watercourse where it touches the bank and the top of the first usable break in slope, measured at the same point on the upper bank as the military gap width. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i> -999999						
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999						
Average Water Depth	1	[-999999,-999999]	Real_Interval	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999,-999999]						
Inland Waterbody Bank (1) : Bank Orientation (first bank)	1	No Information	Enumeration	Unitless	0	The relative orientation of a bank of an inland waterbody based on the direction of predominant water flow in the adjacent waterbody.

<i>allowed values:</i>	Indeterminate		Left			No Flow	No Information
	Other		Right				
<i>allowed values:</i>	Indeterminate		Left			No Flow	No Information
	Other		Right				
Inland Waterbody Bank (2) : Bottom Material Type (second bank)	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing the bottom of a body of water.	
<i>allowed values:</i>	Bedrock		Clay and Silt			Concrete	Coral
	Gravel and Cobble		Masonry			No Information	Other
	Paved		Peat			Reinforced Concrete	Rocks and Boulders
	Sand		Sand and Gravel			Sand over Mud	Silty Sands
	Slash		Soil				
<i>allowed values:</i>	Bedrock		Clay and Silt			Concrete	Coral
	Gravel and Cobble		Masonry			No Information	Other
	Paved		Peat			Reinforced Concrete	Rocks and Boulders
	Sand		Sand and Gravel			Sand over Mud	Silty Sands
	Slash		Soil				
<i>allowed values:</i>	Bedrock		Clay and Silt			Concrete	Coral
	Gravel and Cobble		Masonry			No Information	Other
	Paved		Peat			Reinforced Concrete	Rocks and Boulders
	Sand		Sand and Gravel			Sand over Mud	Silty Sands
	Slash		Soil				
New Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.	
<i>allowed values:</i>	-999999						
New Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.	
<i>allowed values:</i>	-999999						
Covered Drain	1	No Information	Boolean	Unitless	0	An indication that a watercourse section is completely covered over and connects to uncovered watercourses at each end.	
<i>allowed values:</i>	False		No Information			True	
Covered Drain Length	1	-999999	Real	Metre	0	The length of a watercourse section that is completely covered over and connects to uncovered watercourses at each end.	
<i>allowed values:</i>	-999999						
New Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.	
<i>allowed values:</i>	-999999						
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.	
<i>allowed values:</i>	-999999						
New Feature Code	1	BH140	CONSTRAINED_STRING	Unitless	5	Feature Code	
<i>allowed values:</i>	BH140						
Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.	
<i>allowed values:</i>	No Information						
Geographic Name Type	3	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.	
<i>allowed values:</i>	Conventional		Historical Transliterated			Native Transliterated	No Information
	Other		Provisional			Unverified Transliterated	Variant Transliterated

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<u>allowed values:</u> Accurate			Approximate			Doubtful
						No Information
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<u>allowed values:</u> -999999						
Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<u>allowed values:</u> Dry			Intermittent			No Information
						Perennial
Isolated	1	No Information	Boolean	Unitless	0	An indication that a feature (for example: a structure) is in the open by itself, isolated from other features of a similar type, and thus is visually distinct from surrounding features when viewed from a distance.
<u>allowed values:</u> FALSE			No Information			TRUE
New Least Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
New Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigability Information	1	No Information	Enumeration	Unitless	0	Information about the navigability of a body of water by ocean-going and/or large vessels. [Description] Navigability is not intended to include jet skis, motorboats or other recreational craft.
<u>allowed values:</u> Navigable			Navigable and Operational			Navigable but Abandoned
			Not Navigable			Other
						Navigable with Periodic Restrictions
New Water Resource Information : pH of Water	1	-999999	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
<u>allowed values:</u> -999999						
Predominant Average Water Velocity	1	[-999999,-999999]	Real_Interval	Metres per Second	0	The average water velocity, exclusive of high water due to runoff or low water due to drought.
<u>allowed values:</u> (-INFINITY, 1.5]			[-999999, -999999]			[-999999, -999999]
Predominant Maximum Water Depth	1	[-999999,-999999]	Real_Interval	Metre	0	The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<u>allowed values:</u> (0.8, 1.6]			(1.6, 2.4]			(2.4, INFINITY)
						(-INFINITY, 0.8]

Predominant Maximum Water Velocity	1	[-999999,-999999]	Real_Interval	Metres per Second	0	The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i>						
Predominant Minimum Water Depth	1	[-999999,-999999]	Real_Interval	Metre	0	The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i>						
Predominant Minimum Water Velocity	1	[-999999,-999999]	Real_Interval	Metres per Second	0	The average minimum (seasonal low water) water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i>						
Predominant Water Depth	1	-999999	Real	Metre		The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i>						
Inland Waterbody Bank (1) : Predominant Waterbody Bank Height (first bank)	1	[-999999, -999999]	REAL_Interval	Metre	0	The predominant height (the height of at least 50 percent) of the bank, measured from mean water level to the first break in slope above the mean water level.
<i>allowed values:</i>						
<i>allowed values:</i>						
Inland Waterbody Bank (2) : Predominant Waterbody Bank Slope (second bank)	1	[-999999, -999999]	REAL_Interval	Percent	0	The predominant slope (the slope of at least 50 percent) of the bank, measured from mean water level to the first accessible break in slope above the mean water level. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i>						
<i>allowed values:</i>						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i>						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Inland Waterbody Bank (2) : Shoreline Delineated (second bank)	1	No Information	Boolean	Unitless	0	An indication that the delineation of a shoreline is definite. [Description] The delineation of the shoreline along a beach is typically definite whereas along a mangrove swamp it is typically indefinite.
allowed values:	False		No Information			True
allowed values:	False		No Information			True
Inland Waterbody Bank (1) : Shoreline Type (first bank)	1	No Information	Enumeration	Unitless	0	The physical characteristics of a shoreline.
allowed values:	Building Rubble Marshy Sandy		Erosion Rubble Mud Shingly			Ice No Information Stony
allowed values:	Building Rubble Marshy Sandy		Erosion Rubble Mud Shingly			Ice No Information Stony
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
allowed values:	-999999					
Water Resource Information : Temperature	1	-999999	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
allowed values:	-999999					
Terrain Gap Width	1	-999999	REAL	Metre	0	The minimum horizontal bridging distance necessary to cross a channel. [Description] The width is measured perpendicular to the direction of water flow from bank to bank, at the first usable break in slope on each side of the channel above mean high water. Usable banks are those accessible by vehicles; small unusable ledges and cliffs are not considered usable breaks in slopes.
allowed values:	-999999					

	Tide Influenced	1	No Information	Boolean	Unitless	0	An indication that a waterbody is affected by the tide.
	<i>allowed values:</i>	<i>False</i>		<i>No Information</i>			<i>True</i>
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
	<i>allowed values:</i>	<i>-999999</i>					
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<i>allowed values:</i>	<i>-999999</i>					
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<i>allowed values:</i>	<i>No Information</i>					
	Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
	<i>allowed values:</i>	<i>Below Ground Surface</i>		<i>No Information</i>			<i>On Surface</i>
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	0	The electrical conductivity of water.
	<i>allowed values:</i>	<i>-999999</i>					
New	Water Resource Information : Water Flow	1	-999999	Real	Litres per Minute	0	The rate of water flow through or exiting from a feature.
	<i>allowed values:</i>	<i>-999999</i>					
New	Water Resource Information : Water Flow Rate Category	1	No Information	Enumeration	Unitless	0	Value used to categorize streams, canals, rivers and other flowing water given the quantity of water flow. The categories correspond to specifications for water purification units in order to allow for quick identification of areas of water flow that are most suitable for placement of water purification equipment.
	<i>allowed values:</i>	<i>Large</i> <i>Small</i>		<i>Moderate</i>			<i>No Information</i> <i>Other</i>
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<i>allowed values:</i>	<i>-999999</i>					
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
	<i>allowed values:</i>	<i>Contaminated</i> <i>Potable</i>		<i>No Information</i> <i>Treatable</i>			<i>Nonpotable</i> <i>Other</i>
New	Water Resource Information : Water Pump Accessibility	1	No Information	Enumeration	Unitless		The approachable or easily entered side of a water source where portable equipment including pumps and pipes may be placed into the water source and used with nearby portable equipment. [Description] Provides an indication of whether it is possible access the water for the purpose of connecting portable water pumping equipment to temporary purification units. Accessibility must meet distance requirements in the transport of water: 100 m horizontal and 10 m vertical.
	<i>allowed values:</i>	<i>From All Sides</i> <i>From Right</i> <i>No Information</i>		<i>From East</i> <i>From South</i>			<i>From Left</i> <i>From West</i> <i>From North</i> <i>No Accessibility</i>
New	Water Resource Information : Water Stage	1	No Information	Enumeration	Unitless	0	The flow stage of a stream or canal.
	<i>allowed values:</i>	<i>High</i> <i>Other</i>		<i>Low</i>			<i>Mean</i> <i>No Information</i>
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.

<i>allowed values:</i> Alkaline No Information			Brackish Other		Fresh Saline	Mineral
New	Water Resource Information : Water Use	3	No Information	Enumeration	Unitless	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional Other			Commercial Livestock Power Generation		Domestic Irrigation Municipal Recreational	Industrial No Information Sanitary Domestic
	Inland Waterbody Bank (1) : Waterbody Bank Height (first bank)	1	-999999	REAL	Metre	0 The height of the waterbody bank above the average water level.
<i>allowed values:</i> -999999 <i>allowed values:</i> -999999						
	Inland Waterbody Bank (1) : Waterbody Bank Vegetation Cover (first bank)	1	[-999999, -999999]	REAL_Interval	Percent	0 The fraction of vegetation cover on the bank of a watercourse.
<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval	Greater-than Semi-interval Less-than Semi-interval
<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval	Greater-than Semi-interval Less-than Semi-interval
	Watercourse Channel Type	1	No Information	Enumeration	Unitless	0 The type of trough-like depression that is normally occupied by a watercourse.
<i>allowed values:</i> Braided Stream No Information Wadi			Channelized Stream Normal Channel		Gorge Other	Lost Watercourse Split Stream
	Watercourse Morphology	1	No Information	Enumeration	Unitless	0 The type of a watercourse based on its shape and/or configuration.
<i>allowed values:</i> Abandoned Confluence Meander Pool			Anabranh Cut-off Mouth Reach		Bend Distributary No Information	Canalized Headwaters Other
	Watercourse Sink Type	1	No Information	Enumeration	Unitless	0 The type of the sink of a watercourse.
<i>allowed values:</i> Disappearing			Dissipating		No Information	Other
	Width	1	-999999	REAL	Metre	0 The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: River (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
River (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
River (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
River (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
River (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
River (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
River (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
River (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
River (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)

Feature River (Line 00)

New ☐ River

A natural flowing watercourse.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Inland Waterbody Bank (1) : Above Water Bank Slope (first bank)	1	-999999	REAL	Percent	0	The amount of upward inclination between the horizontal surface of the mean water level of a watercourse where it touches the bank and the top of the first usable break in slope, measured at the same point on the upper bank as the military gap width. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i> -999999						
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999						
Average Water Depth	1	[-999999,-999999]	Real_Interval	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999,-999999]						
Inland Waterbody Bank (2) : Bank Orientation (second bank)	1	No Information	Enumeration	Unitless	0	The relative orientation of a bank of an inland waterbody based on the direction of predominant water flow in the adjacent waterbody.
<i>allowed values:</i> Indeterminate			Left			No Flow
<i>allowed values:</i> Other			Right			No Information
<i>allowed values:</i> Indeterminate			Left			No Flow
<i>allowed values:</i> Other			Right			No Information
Inland Waterbody Bank (1) : Bottom Material Type (first bank)	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing the bottom of a body of water.
<i>allowed values:</i> Bedrock			Clay and Silt			Concrete
<i>allowed values:</i> Gravel and Cobble			Masonry			No Information
<i>allowed values:</i> Paved			Peat			Reinforced Concrete
<i>allowed values:</i> Sand			Sand and Gravel			Sand over Mud
<i>allowed values:</i> Slash			Soil			Coral
<i>allowed values:</i> Bedrock			Clay and Silt			Concrete
<i>allowed values:</i> Gravel and Cobble			Masonry			No Information
<i>allowed values:</i> Paved			Peat			Reinforced Concrete
<i>allowed values:</i> Sand			Sand and Gravel			Sand over Mud
<i>allowed values:</i> Slash			Soil			Coral
<i>allowed values:</i> Bedrock			Clay and Silt			Concrete
<i>allowed values:</i> Gravel and Cobble			Masonry			No Information
<i>allowed values:</i> Paved			Peat			Reinforced Concrete
<i>allowed values:</i> Sand			Sand and Gravel			Sand over Mud
<i>allowed values:</i> Slash			Soil			Coral
New Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999						
New Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999						
Covered Drain	1	No Information	Boolean	Unitless	0	An indication that a watercourse section is completely covered over and connects to uncovered watercourses at each end.
<i>allowed values:</i> False			No Information			True

	Covered Drain Length	1	-999999	Real	Metre	0	The length of a watercourse section that is completely covered over and connects to uncovered watercourses at each end.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<u>allowed values:</u> -999999						
New	Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
	<u>allowed values:</u> -999999						
New	Feature Code	1	BH140	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u> BH140						
	Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
	Geographic Name Type	3	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Other			Historical Transliterated Provisional		Native Transliterated Unverified Transliterated	No Information Variant Transliterated
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999						
	Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
	<u>allowed values:</u> Accurate			Approximate		Doubtful	No Information
	Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
	<u>allowed values:</u> -999999						
	Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<u>allowed values:</u> Dry			Intermittent		No Information	Perennial
	Isolated	1	No Information	Boolean	Unitless	0	An indication that a feature (for example: a structure) is in the open by itself, isolated from other features of a similar type, and thus is visually distinct from surrounding features when viewed from a distance.
	<u>allowed values:</u> FALSE			No Information		TRUE	
New	Least Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling.
	<u>allowed values:</u> -999999						
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<u>allowed values:</u> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						

Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i>	No Information					
Navigability Information	1	No Information	Enumeration	Unitless	0	Information about the navigability of a body of water by ocean-going and/or large vessels. [Description] Navigability is not intended to include jet skis, motorboats or other recreational craft.
<i>allowed values:</i>	Navigable No Information		Navigable and Operational Not Navigable		Navigable but Abandoned Other Navigable with Periodic Restrictions	
New Water Resource Information : pH of Water	1	-999999	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i>	-999999					
Predominant Average Water Velocity	1	[-999999,-999999]	Real_Interval	Metres per Second	0	The average water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i>	(-INFINITY, 1.5]		[-999999,-999999]		[-999999,-999999]	
Predominant Maximum Water Depth	1	[-999999,-999999]	Real_Interval	Metre	0	The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i>	(0.8, 1.6] [-999999,-999999]		(1.6, 2.4]		(2.4, INFINITY) (-INFINITY, 0.8]	
Predominant Maximum Water Velocity	1	[-999999,-999999]	Real_Interval	Metres per Second	0	The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i>	(0.5, 1.5] [-999999,-999999]		(1.5, 2.5]		(2.5, INFINITY) (-INFINITY, 0.5]	
Predominant Minimum Water Depth	1	[-999999,-999999]	Real_Interval	Metre	0	The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i>	(0.8, 1.6] [-999999,-999999]		(1.6, 2.4]		(2.4, INFINITY) (-INFINITY, 0.8]	
Predominant Minimum Water Velocity	1	[-999999,-999999]	Real_Interval	Metres per Second	0	The average minimum (seasonal low water) water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i>	(0.5, 1.5] [-999999,-999999]		(1.5, 2.5] [-999999,-999999]		(2.5, INFINITY) (-INFINITY, 0.5]	
Predominant Water Depth	1	-999999	Real	Metre		The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i>	-999999					
Inland Waterbody Bank (2) : Predominant Waterbody Bank Height (second bank)	1	[-999999,-999999]	REAL_Interval	Metre	0	The predominant height (the height of at least 50 percent) of the bank, measured from mean water level to the first break in slope above the mean water level.
<i>allowed values:</i>	[-999999,-999999] Greater-than to Less-than-or-equal Interval Open Interval		Closed Interval Greater-than-or-equal to Less-than Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval	
<i>allowed values:</i>	[-999999,-999999] Greater-than to Less-than-or-equal Interval Open Interval		Closed Interval Greater-than-or-equal to Less-than Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval	
Inland Waterbody Bank (1) : Predominant Waterbody Bank Slope (first bank)	1	[-999999,-999999]	REAL_Interval	Percent	0	The predominant slope (the slope of at least 50 percent) of the bank, measured from mean water level to the first accessible break in slope above the mean water level. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i>	[-999999,-999999] Greater-than to Less-than-or-equal Interval Open Interval		Closed Interval Greater-than-or-equal to Less-than Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval	
<i>allowed values:</i>	[-999999,-999999] Greater-than to Less-than-or-equal Interval Open Interval		Closed Interval Greater-than-or-equal to Less-than Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval	

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Inland Waterbody Bank (2) : Shoreline Delineated (second bank)	1	No Information	Boolean	Unitless	0	An indication that the delineation of a shoreline is definite. [Description] The delineation of the shoreline along a beach is typically definite whereas along a mangrove swamp it is typically indefinite.
allowed values: False			No Information			True
allowed values: False			No Information			True
Inland Waterbody Bank (1) : Shoreline Type (first bank)	1	No Information	Enumeration	Unitless	0	The physical characteristics of a shoreline.
allowed values:						
Building Rubble			Erosion Rubble			Ice
Marshy			Mud			No Information
Sandy			Shingly			Stony
allowed values:			Erosion Rubble			Ice
Building Rubble			Mud			No Information
Marshy			Shingly			Stony
Sandy						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
New Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
allowed values: -999999						

New	Water Resource Information : Temperature	1	-999999	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
	<i>allowed values:</i> -999999						
	Terrain Gap Width	1	-999999	REAL	Metre	0	The minimum horizontal bridging distance necessary to cross a channel. [Description] The width is measured perpendicular to the direction of water flow from bank to bank, at the first usable break in slope on each side of the channel above mean high water. Usable banks are those accessible by vehicles; small unusable ledges and cliffs are not considered usable breaks in slopes.
	<i>allowed values:</i> -999999						
	Tide Influenced	1	No Information	Boolean	Unitless	0	An indication that a waterbody is affected by the tide.
	<i>allowed values:</i> False			No Information			True
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<i>allowed values:</i> -999999						
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<i>allowed values:</i> No Information						
	Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
	<i>allowed values:</i> Below Ground Surface			No Information			On Surface
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	0	The electrical conductivity of water.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Water Flow	1	-999999	Real	Litres per Minute	0	The rate of water flow through or exiting from a feature.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Water Flow Rate Category	1	No Information	Enumeration	Unitless	0	Value used to categorize streams, canals, rivers and other flowing water given the quantity of water flow. The categories correspond to specifications for water purification units in order to allow for quick identification of areas of water flow that are most suitable for placement of water purification equipment.
	<i>allowed values:</i> Large Small			Moderate		No Information	Other
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<i>allowed values:</i> -999999						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
	<i>allowed values:</i> Contaminated Potable			No Information Treatable		Nonpotable	Other
New	Water Resource Information : Water Pump Accessibility	1	No Information	Enumeration	Unitless		The approachable or easily entered side of a water source where portable equipment including pumps and pipes may be placed into the water source and used with nearby portable equipment. [Description] Provides an indication of whether it is possible access the water for the purpose of connecting portable water pumping equipment to temporary purification units. Accessibility must meet distance requirements in the transport of water: 100 m horizontal and 10 m vertical.
	<i>allowed values:</i> From All Sides From Right No Information			From East From South		From Left From West	From North No Accessibility

New	Water Resource Information : Water Stage	1	No Information	Enumeration	Unitless	0	The flow stage of a stream or canal.
	<i>allowed values:</i> <i>High</i> <i>Other</i>			<i>Low</i>			<i>Mean</i> <i>No Information</i>
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
	<i>allowed values:</i> <i>Alkaline</i> <i>No Information</i>			<i>Brackish</i> <i>Other</i>			<i>Fresh</i> <i>Saline</i> <i>Mineral</i>
New	Water Resource Information : Water Use	3	No Information	Enumeration	Unitless		The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.
	<i>allowed values:</i> <i>Agricultural Irrigation</i> <i>Institutional</i> <i>Other</i>			<i>Commercial</i> <i>Livestock</i> <i>Power Generation</i>			<i>Domestic Irrigation</i> <i>Municipal</i> <i>Recreational</i> <i>Industrial</i> <i>No Information</i> <i>Sanitary Domestic</i>
	Inland Waterbody Bank (2) : Waterbody Bank Height (second bank)	1	-999999	REAL	Metre	0	The height of the waterbody bank above the average water level.
	<i>allowed values:</i> <i>-999999</i> <i>allowed values:</i> <i>-999999</i>						
	Inland Waterbody Bank (2) : Waterbody Bank Vegetation Cover (second bank)	1	[-999999, -999999]	REAL_Interval	Percent	0	The fraction of vegetation cover on the bank of a watercourse.
	<i>allowed values:</i> <i>[-999999, -999999]</i> <i>Greater-than to Less-than-or-equal Interval</i> <i>Open Interval</i>			<i>Closed Interval</i> <i>Greater-than-or-equal to Less-than Interval</i>			<i>Greater-than or Equal Semi-interval</i> <i>Less-than or Equal Semi-interval</i> <i>Greater-than Semi-interval</i> <i>Less-than Semi-interval</i>
	<i>allowed values:</i> <i>[-999999, -999999]</i> <i>Greater-than to Less-than-or-equal Interval</i> <i>Open Interval</i>			<i>Closed Interval</i> <i>Greater-than-or-equal to Less-than Interval</i>			<i>Greater-than or Equal Semi-interval</i> <i>Less-than or Equal Semi-interval</i> <i>Greater-than Semi-interval</i> <i>Less-than Semi-interval</i>
	Watercourse Channel Type	1	No Information	Enumeration	Unitless	0	The type of trough-like depression that is normally occupied by a watercourse.
	<i>allowed values:</i> <i>Braided Stream</i> <i>No Information</i> <i>Wadi</i>			<i>Channelized Stream</i> <i>Normal Channel</i>			<i>Gorge</i> <i>Other</i> <i>Lost Watercourse</i> <i>Split Stream</i>
	Watercourse Morphology	1	No Information	Enumeration	Unitless	0	The type of a watercourse based on its shape and/or configuration.
	<i>allowed values:</i> <i>Abandoned</i> <i>Confluence</i> <i>Meander</i> <i>Pool</i>			<i>Anabranch</i> <i>Cut-off</i> <i>Mouth</i> <i>Reach</i>			<i>Bend</i> <i>Distributary</i> <i>No Information</i> <i>Canalized</i> <i>Headwaters</i> <i>Other</i>
	Watercourse Sink Type	1	No Information	Enumeration	Unitless	0	The type of the sink of a watercourse.
	<i>allowed values:</i> <i>Disappearing</i>			<i>Dissipating</i>			<i>No Information</i> <i>Other</i>
	Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
	<i>allowed values:</i> <i>-999999</i>						

Relationships: River (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 River (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 River (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 River (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 River (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 River (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 River (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 River (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 River (Line 00) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup 00)

Feature Road (Area 00)New ☐ Road**A route with a specially prepared surface that is intended for use by wheeled vehicles.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Centerline Spacing	1	-999999	REAL	Metre	0	The distance between the centrelines of the two travelled ways of a divided highway.
<i>allowed values:</i> -999999						
Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
<i>allowed values:</i> False			No Information			True
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Military Other Tribal			International Municipal Private			Interstate National Public Joint Military and Civilian No Information State
Deck Level	1	-999999	REAL	Unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value.
<i>allowed values:</i> -999999						
Divided	1	No Information	Boolean	Unitless	0	An indication that the lanes or tracks in a land transportation route (for example: a road or a railway), are horizontally separated (for example: by a median strip) and not adjoining. [Description] May be used to indicate the separation of opposing flows of traffic in order to improve safety or to meet route engineering restrictions by some means. For example, the two travelled ways of a divided highway may pass at different elevations along the side of a mountain or may diverge when passing around significant engineering obstacles (for example: rocky outcrops).
<i>allowed values:</i> False			No Information			True
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AP030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AP030						
Feature Configuration	1	No Information	Enumeration	Unitless	0	The type of multiplicity and/or configuration of a feature.
<i>allowed values:</i> Divided Different			Divided Same			No Information Non-divided
Flight Strip Capable	1	No Information	Boolean	Unitless	0	An indication that a road is designed to support emergency (for example: national defence) use as a runway. [Description] Ideally, oriented in the direction of the prevailing wind.
<i>allowed values:</i> False			No Information			True
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i>	Accurate		Approximate			Doubtful
						No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i>	-999999					
Median Present	1	No Information	Boolean	Unitless	0	An indication that the lanes or tracks of a divided land transportation route (for example: a road or a railway) are separated by a vertical median barrier. [Description] Often used to separate opposing flows of traffic in order to improve safety. For example, may be a substantial concrete barrier of approximately 1 metre height.
<i>allowed values:</i>	False		No Information			True
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i>	No Information					
One-way	1	No Information	Boolean	Unitless	0	An indication that a thoroughfare is intended to be used only in a single direction. [Description] For example, a metropolitan street grid may include streets designated for one-way use in order to improve traffic flow; usually there is a paired parallel street nearby designated for one-way use in the opposite direction. A thoroughfare is a public way, unobstructed and forming a route (for example: a road or a path) between two places.
<i>allowed values:</i>	False		No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i>	Damaged		Destroyed			Dismantled
	No Information		Ruined			Intact
	Unmaintained					Site Preparation
						Under Construction
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
<i>allowed values:</i>	Depressed		Level			No Information
	Raised					Not Applicable
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i>	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
	Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	U.S. Navy U.S. Special Operations Command (USSOCOM)			
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
New Road Interchange Ramp	1	No Information	Boolean	Unitless	0	An indication that a road serves as a section of a road interchange, providing traffic access from one through road to another, but does not itself carry through traffic. [Description] Through roads normally are located on separate vertical levels, thus affording uninterrupted traffic flow, with at least one road being supported by a bridge and the other proceeding through an underpass. In the case of a rotary interchange on a single level there is no uninterrupted through route, therefore all traffic flows pass along road interchange ramps.
allowed values:	False		No Information		True	
Route Pavement Information : Road Weather Restriction	1	No Information	Enumeration	Unitless	0	The type of weather conditions under which a road is usable.
allowed values:	All-weather No Information		Closed in Winter Other		Fair-weather Winter Only	Limited All-weather
New Route Desgination Type	3	No Information	Enumeration	Unitless	0	The type of a road network according to the nature of service that it is intended to provide, as designated by international, national and/or other administrative authorities.
allowed values:	International No Information		Local Other		National Secondary	National Motorway
Route Designation	3	No Information	String	Unitless	24	The official designation assigned to a route. [Description] For example, 'I-95', 'A-1', 'E-6', or 'M-5'.
allowed values:	No Information					
Route Median Width	1	[-999999, -999999]	REAL_Interval	Metre	0	The width of a divider that separates adjacent route lanes or tracks in a land transportation route. [Description] The adjacent route lanes may carry traffic in opposing directions (for example: a divided highway or a dual track railway) or in the same direction (for example: a high-speed 'thru' lane and a local collector/distributor lane).
allowed values:	[-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval		Closed Interval Greater-than-or-equal to Less-than Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval	Greater-than Semi-interval Less-than Semi-interval
Route Pavement Information : Route Minimum Travelled Way Width	1	-999999	REAL	Metre	0	The minimum width of the travelled way of a route. [Description] Excludes pavements and shoulders.
allowed values:	-999999					

Route Pavement Information : Route Surface Composition	1	No Information	Enumeration	Unitless	0	The composition(s) of a durable surface (for example: a pavement) intended to sustain ground traffic (for example: vehicular traffic or foot traffic). [Description] Depending on the traffic situation (for example: on a floor, in a courtyard, or on a road) different compositions may be used, however in general such surfaces are composed of pieces of a hard material fitted closely together (for example: cobble-stone or brick) or of an undivided hard layer (for example: concrete) so as to give a compact, uniform, and smooth surface.
<i>allowed values:</i>	Aggregate		Asphalt			Asphalt over Concrete
	Brick		Cobble-stone			Concrete
	Flexible Pavement		Graded rolled or oiled sand			Ice
	Metal		No Information			Other
	Snow		Stabilized Earth			Unimproved
	Wood Plank					Bound Surface
						Corduroy
						Macadam
						Rigid Pavement
						Wood
Route Total Usable Width	1	-999999	REAL	Metre	0	The total usable width of the travelled way of a route. [Description] Includes pavements and shoulders.
<i>allowed values:</i>	-999999					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i>	No Information					
Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.
<i>allowed values:</i>	False		No Information			True
Surface Slope	1	[-999999, -999999]	REAL_Interval	Percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
<i>allowed values:</i>	[-999999, -999999]		Closed Interval			Greater-than or Equal Semi-interval
	Greater-than to Less-than-or-equal Interval		Greater-than-or-equal to Less-than Interval			Less-than or Equal Semi-interval
	Open Interval					Greater-than Semi-interval
						Less-than Semi-interval
Survey Coverage Category	1	No Information	Enumeration	Unitless		A general evaluation of the coverage quality of a survey, as a category. [Description] See possibly accompanying Attribute: 'Position Quality Category' for additional survey-related information.
<i>allowed values:</i>	No Information		Surveyed			Unsurveyed
Thoroughfare Type	1	No Information	Enumeration	Unitless	0	The type of a thoroughfare based on its design. [Description] A thoroughfare is a public way, unobstructed and forming a route (for example: a road or a path) between two places. The thoroughfare type may be used in proper names and thus to represent the components of a postal address in concert with Attributes: 'Address Number', 'Address Direction Prefix', 'Thoroughfare Name', and 'Address Direction Suffix'.
<i>allowed values:</i>	Avenue		Boulevard			Circle
	Drive		Lane			Limited Access Motorway
	No Information		Other			Parkway
	Road		Street			Tank Trail
						Close
						Motorway
						Place
						Terrace
Through Route	1	No Information	Boolean	Unitless	0	An indication that a route (for example: a road) passes through (both into and out of) a place (for example: an urban area) without interruption. [Description] A through route may have devices (for example: a traffic light) to control traffic flow.
<i>allowed values:</i>	False		No Information			True
Track or Lane Count	1	-999999	REAL	Unitless	0	The total number of independent, parallel paths (for example: a railway track and/or a road lane) in both directions within a route.
<i>allowed values:</i>	-999999					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i>	No Information					
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<i>allowed values:</i>	Below Ground Surface		No Information			On Surface
						On Waterbody Bottom

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Width of Second Travelled Way	1	-999999	REAL	Metre	0	The width of a second travelled way that is the lesser width of the two travelled ways in a divided highway.
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allowed values: -999999

Relationships: Road (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Road (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Road (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Road (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Road (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Road (Area 00) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup 00)

Feature Road (Line 00)

New ☐ Road

A route with a specially prepared surface that is intended for use by wheeled vehicles.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Centerline Spacing	1	-999999	REAL	Metre	0	The distance between the centrelines of the two travelled ways of a divided highway.
<i>allowed values:</i> -999999						
Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
<i>allowed values:</i> False			No Information			True
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Military Other Tribal			International Municipal Private			Interstate National Public Joint Military and Civilian No Information State
Deck Level	1	-999999	REAL	Unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value.
<i>allowed values:</i> -999999						
Divided	1	No Information	Boolean	Unitless	0	An indication that the lanes or tracks in a land transportation route (for example: a road or a railway), are horizontally separated (for example: by a median strip) and not adjoining. [Description] May be used to indicate the separation of opposing flows of traffic in order to improve safety or to meet route engineering restrictions by some means. For example, the two travelled ways of a divided highway may pass at different elevations along the side of a mountain or may diverge when passing around significant engineering obstacles (for example: rocky outcrops).
<i>allowed values:</i> False			No Information			True
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AP030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AP030						
Feature Configuration	1	No Information	Enumeration	Unitless	0	The type of multiplicity and/or configuration of a feature.

<i>allowed values:</i> Divided Different			Divided Same			No Information	Non-divided
Flight Strip Capable	1	No Information	Boolean	Unitless	0	An indication that a road is designed to support emergency (for example: national defence) use as a runway. [Description] Ideally, oriented in the direction of the prevailing wind.	
<i>allowed values:</i> False			No Information			True	
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.	
<i>allowed values:</i> No Information							
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.	
<i>allowed values:</i> Accurate			Approximate			Doubtful	No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999							
Median Present	1	No Information	Boolean	Unitless	0	An indication that the lanes or tracks of a divided land transportation route (for example: a road or a railway) are separated by a vertical median barrier. [Description] Often used to separate opposing flows of traffic in order to improve safety. For example, may be a substantial concrete barrier of approximately 1 metre height.	
<i>allowed values:</i> False			No Information			True	
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information							
One-way	1	No Information	Boolean	Unitless	0	An indication that a thoroughfare is intended to be used only in a single direction. [Description] For example, a metropolitan street grid may include streets designated for one-way use in order to improve traffic flow; usually there is a paired parallel street nearby designated for one-way use in the opposite direction. A thoroughfare is a public way, unobstructed and forming a route (for example: a road or a path) between two places.	
<i>allowed values:</i> False			No Information			True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.	
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation	Intact Under Construction
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).	
<i>allowed values:</i> Depressed Raised			Level			No Information	Not Applicable
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i> U							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Road Interchange Ramp	1	No Information	Boolean	Unitless	0	An indication that a road serves as a section of a road interchange, providing traffic access from one through road to another, but does not itself carry through traffic. [Description] Through roads normally are located on separate vertical levels, thus affording uninterrupted traffic flow, with at least one road being supported by a bridge and the other proceeding through an underpass. In the case of a rotary interchange on a single level there is no uninterrupted through route, therefore all traffic flows pass along road interchange ramps.
allowed values:	False		No Information			True
Route Pavement Information : Road Weather Restriction	1	No Information	Enumeration	Unitless	0	The type of weather conditions under which a road is usable.
allowed values:	All-weather No Information		Closed in Winter Other			Fair-weather Winter Only Limited All-weather
Route Desgination Type	3	No Information	Enumeration	Unitless	0	The type of a road network according to the nature of service that it is intended to provide, as designated by international, national and/or other administrative authorities.
allowed values:	International No Information		Local Other			National Secondary National Motorway
Route Designation	3	No Information	String	Unitless	24	The official designation assigned to a route. [Description] For example, 'I-95', 'A-1', 'E-6', or 'M-5'.
allowed values:	No Information					
Route Median Width	1	[-999999, -999999]	REAL_Interval	Metre	0	The width of a divider that separates adjacent route lanes or tracks in a land transportation route. [Description] The adjacent route lanes may carry traffic in opposing directions (for example: a divided highway or a dual track railway) or in the same direction (for example: a high-speed 'thru' lane and a local collector/distributor lane).
allowed values:	[-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval		Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval
Route Pavement Information : Route Minimum Travelled Way Width	1	-999999	REAL	Metre	0	The minimum width of the travelled way of a route. [Description] Excludes pavements and shoulders.
allowed values:	-999999					

Route Pavement Information : Route Surface Composition	1	No Information	Enumeration	Unitless	0	The composition(s) of a durable surface (for example: a pavement) intended to sustain ground traffic (for example: vehicular traffic or foot traffic). [Description] Depending on the traffic situation (for example: on a floor, in a courtyard, or on a road) different compositions may be used, however in general such surfaces are composed of pieces of a hard material fitted closely together (for example: cobble-stone or brick) or of an undivided hard layer (for example: concrete) so as to give a compact, uniform, and smooth surface.
<i>allowed values:</i>	Aggregate		Asphalt			Asphalt over Concrete
	Brick		Cobble-stone			Concrete
	Flexible Pavement		Graded rolled or oiled sand			Ice
	Metal		No Information			Other
	Snow		Stabilized Earth			Unimproved
	Wood Plank					Bound Surface
						Corduroy
						Macadam
						Rigid Pavement
						Wood
Route Total Usable Width	1	-999999	REAL	Metre	0	The total usable width of the travelled way of a route. [Description] Includes pavements and shoulders.
<i>allowed values:</i>	-999999					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i>	No Information					
Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.
<i>allowed values:</i>	False		No Information			True
Surface Slope	1	[-999999, -999999]	REAL_Interval	Percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
<i>allowed values:</i>	[-999999, -999999]		Closed Interval			Greater-than or Equal Semi-interval
	Greater-than to Less-than-or-equal Interval		Greater-than-or-equal to Less-than Interval			Less-than or Equal Semi-interval
	Open Interval					Greater-than Semi-interval
						Less-than Semi-interval
Survey Coverage Category	1	No Information	Enumeration	Unitless		A general evaluation of the coverage quality of a survey, as a category. [Description] See possibly accompanying Attribute: 'Position Quality Category' for additional survey-related information.
<i>allowed values:</i>	No Information		Surveyed			Unsurveyed
Thoroughfare Type	1	No Information	Enumeration	Unitless	0	The type of a thoroughfare based on its design. [Description] A thoroughfare is a public way, unobstructed and forming a route (for example: a road or a path) between two places. The thoroughfare type may be used in proper names and thus to represent the components of a postal address in concert with Attributes: 'Address Number', 'Address Direction Prefix', 'Thoroughfare Name', and 'Address Direction Suffix'.
<i>allowed values:</i>	Avenue		Boulevard			Circle
	Drive		Lane			Limited Access Motorway
	No Information		Other			Parkway
	Road		Street			Tank Trail
						Close
						Motorway
						Place
						Terrace
Through Route	1	No Information	Boolean	Unitless	0	An indication that a route (for example: a road) passes through (both into and out of) a place (for example: an urban area) without interruption. [Description] A through route may have devices (for example: a traffic light) to control traffic flow.
<i>allowed values:</i>	False		No Information			True
Track or Lane Count	1	-999999	REAL	Unitless	0	The total number of independent, parallel paths (for example: a railway track and/or a road lane) in both directions within a route.
<i>allowed values:</i>	-999999					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i>	No Information					
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<i>allowed values:</i>	Below Ground Surface		No Information			On Surface
						On Waterbody Bottom

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Width of Second Travelled Way	1	-999999	REAL	Metre	0	The width of a second travelled way that is the lesser width of the two travelled ways in a divided highway.
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allowed values: -999999

Relationships: Road (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Road (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Road (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Road (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Road (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Road (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Road (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Road (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Road (Line 00) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup 00)

Feature RoadInterchange (Area 00) New ☐ Road Interchange

A connection designed to provide traffic access from one road to another.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
<i>allowed values:</i> False			No Information			True
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Military Private			International National State			Interstate No Information Joint Military and Civilian Other
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AP020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AP020						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values:	-999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values:	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values:	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values:	False		No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
allowed values:	Damaged		Destroyed		Dismantled	
	No Information		Ruined		Site Preparation	
	Unmaintained				Intact	
					Under Construction	
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
allowed values:	Depressed		Level		No Information	
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values:	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)					Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)
						Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)
						Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Road Interchange Type	1	No Information	Enumeration	Unitless	0	The type of physical arrangement of a road interchange.
<i>allowed values:</i> Cloverleaf Other Symmetrical Ramps			Diamond Rotary Trumpet			Fork Staggered Ramps Turban No Information Standard Ramps Wye
Route Pavement Information : Road Weather Restriction	1	No Information	Enumeration	Unitless	0	The type of weather conditions under which a road is usable.
<i>allowed values:</i> All-weather No Information			Closed in Winter Other			Fair-weather Winter Only Limited All-weather
New Route Designation Type	3	No Information	Enumeration	Unitless	0	The type of a road network according to the nature of service that it is intended to provide, as designated by international, national and/or other administrative authorities.
<i>allowed values:</i> International No Information			Local Other			National Secondary National Motorway
Route Designation	3	No Information	String	Unitless	24	The official designation assigned to a route. [Description] For example, 'I-95', 'A-1', 'E-6', or 'M-5'.
<i>allowed values:</i> No Information						
Route Pavement Information : Route Minimum Travelled Way Width	1	-999999	REAL	Metre	0	The minimum width of the travelled way of a route. [Description] Excludes pavements and shoulders.
<i>allowed values:</i> -999999						
Route Pavement Information : Route Surface Composition	1	No Information	Enumeration	Unitless	0	The composition(s) of a durable surface (for example: a pavement) intended to sustain ground traffic (for example: vehicular traffic or foot traffic). [Description] Depending on the traffic situation (for example: on a floor, in a courtyard, or on a road) different compositions may be used, however in general such surfaces are composed of pieces of a hard material fitted closely together (for example: cobble-stone or brick) or of an undivided hard layer (for example: concrete) so as to give a compact, uniform, and smooth surface.
<i>allowed values:</i> Aggregate Brick Flexible Pavement No Information Stabilized Earth			Asphalt Cobble-stone Ice Other Unimproved			Asphalt over Concrete Concrete Macadam Rigid Pavement Wood Bound Surface Corduroy Metal Snow Wood Plank
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.
<i>allowed values:</i> False			No Information			True
Surface Slope	1	[-999999, -999999]	REAL_Interval	Percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval
Thoroughfare Type	1	No Information	Enumeration	Unitless	0	The type of a thoroughfare based on its design. [Description] A thoroughfare is a public way, unobstructed and forming a route (for example: a road or a path) between two places. The thoroughfare type may be used in proper names and thus to represent the components of a postal address in concert with Attributes: 'Address Number', 'Address Direction Prefix', 'Thoroughfare Name', and 'Address Direction Suffix'.
<i>allowed values:</i> Limited Access Motorway Road			No Information Roundabout			Other Street Ramp

Through Route	1	No Information	Boolean	Unitless	0	An indication that a route (for example: a road) passes through (both into and out of) a place (for example: an urban area) without interruption. [Description] A through route may have devices (for example: a traffic light) to control traffic flow.
<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
Track or Lane Count	1	-999999	REAL	Unitless	0	The total number of independent, parallel paths (for example: a railway track and/or a road lane) in both directions within a route.
<i>allowed values:</i> <i>-999999</i>						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> <i>No Information</i>						
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<i>allowed values:</i> <i>Below Ground Surface</i>			No Information			On Surface On Waterbody Bottom
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> <i>-999999</i>						

Relationships: RoadInterchange (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 RoadInterchange (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 RoadInterchange (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 RoadInterchange (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 RoadInterchange (Area 00) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup 00)
 RoadInterchange (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature RoadInterchange (Line 00)

New ☐ Road Interchange

A connection designed to provide traffic access from one road to another.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> <i>Civilian</i> <i>Military</i> <i>Private</i>			<i>International</i> <i>National</i> <i>State</i>			<i>Interstate</i> <i>No Information</i> <i>Joint Military and Civilian</i> <i>Other</i>
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> <i>No Information</i> <i>Partially Operational</i>			<i>Non-operational</i> <i>Planned</i>			<i>Not in Operation</i> <i>Temporarily Non-operational</i> <i>Operational</i>
New Feature Code	1	AP020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> <i>AP020</i>						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> <i>No Information</i>						

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
<i>allowed values:</i> Depressed			Level		No Information	Raised
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
						Bundeswehr Geoinformation Office (Germany)
						Defense Information Security (Italy)
						Geospatial Information Agency (Latvia)
						Mapping and Charting Establishment (Canada)
						Military Geography Division (Poland)
						National Army Topographic Service (Moldova)
						Topographic Institute (Slovakia)
						U.S. Army
						U.S. Coast Guard
						U.S. Department of State
						U.S. Joint Forces Command (USJFCOM)
						U.S. National Oceanic and Atmospheric Administration
						U.S. Northern Command (USNORTHCOM)
						U.S. Strategic Command (USSTRATCOM)

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Road Interchange Type	1	No Information	Enumeration	Unitless	0	The type of physical arrangement of a road interchange.
<i>allowed values:</i> Cloverleaf Other Symmetrical Ramps			Diamond Rotary Trumpet			Fork Staggered Ramps Turban No Information Standard Ramps Wye
Route Pavement Information : Road Weather Restriction	1	No Information	Enumeration	Unitless	0	The type of weather conditions under which a road is usable.
<i>allowed values:</i> All-weather No Information			Closed in Winter Other			Fair-weather Winter Only Limited All-weather
New Route Designation Type	3	No Information	Enumeration	Unitless	0	The type of a road network according to the nature of service that it is intended to provide, as designated by international, national and/or other administrative authorities.
<i>allowed values:</i> International No Information			Local Other			National Secondary National Motorway
Route Designation	3	No Information	String	Unitless	24	The official designation assigned to a route. [Description] For example, 'I-95', 'A-1', 'E-6', or 'M-5'.
<i>allowed values:</i> No Information						
Route Pavement Information : Route Minimum Travelled Way Width	1	-999999	REAL	Metre	0	The minimum width of the travelled way of a route. [Description] Excludes pavements and shoulders.
<i>allowed values:</i> -999999						
Route Pavement Information : Route Surface Composition	1	No Information	Enumeration	Unitless	0	The composition(s) of a durable surface (for example: a pavement) intended to sustain ground traffic (for example: vehicular traffic or foot traffic). [Description] Depending on the traffic situation (for example: on a floor, in a courtyard, or on a road) different compositions may be used, however in general such surfaces are composed of pieces of a hard material fitted closely together (for example: cobble-stone or brick) or of an undivided hard layer (for example: concrete) so as to give a compact, uniform, and smooth surface.
<i>allowed values:</i> Aggregate Brick Flexible Pavement No Information Stabilized Earth			Asphalt Cobble-stone Ice Other Unimproved			Asphalt over Concrete Concrete Macadam Rigid Pavement Wood Bound Surface Corduroy Metal Snow Wood Plank
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.
<i>allowed values:</i> False			No Information			True
Surface Slope	1	[-999999, -999999]	REAL_Interval	Percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval

Thoroughfare Type	1	No Information	Enumeration	Unitless		The type of a thoroughfare based on its design. [Description] A thoroughfare is a public way, unobstructed and forming a route (for example: a road or a path) between two places. The thoroughfare type may be used in proper names and thus to represent the components of a postal address in concert with Attributes: 'Address Number', 'Address Direction Prefix', 'Thoroughfare Name', and 'Address Direction Suffix'.
<i>allowed values:</i>	Limited Access Motorway Road		No Information Roundabout			Other Street Ramp
Through Route	1	No Information	Boolean	Unitless	0	An indication that a route (for example: a road) passes through (both into and out of) a place (for example: an urban area) without interruption. [Description] A through route may have devices (for example: a traffic light) to control traffic flow.
<i>allowed values:</i>	False		No Information			True
Track or Lane Count	1	-999999	REAL	Unitless	0	The total number of independent, parallel paths (for example: a railway track and/or a road lane) in both directions within a route.
<i>allowed values:</i>	-999999					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i>	No Information					
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<i>allowed values:</i>	Below Ground Surface		No Information			On Surface On Waterbody Bottom
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: RoadInterchange (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 RoadInterchange (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 RoadInterchange (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 RoadInterchange (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 RoadInterchange (Line 00) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup 00)
 RoadInterchange (Line 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 RoadInterchange (Line 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature RoadInterchange (Point 00)New ☐ Road Interchange**A connection designed to provide traffic access from one road to another.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
<i>allowed values:</i>	False		No Information			True
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i>	Civilian Military Private		International National State			Interstate No Information Joint Military and Civilian Other
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i>	No Information Partially Operational		Non-operational Planned			Not in Operation Temporarily Non-operational Operational

New	Feature Code	1	AP020	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AP020						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999						
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information		True	
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
	Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
	<i>allowed values:</i> Depressed			Level		No Information	Raised
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<i>allowed values:</i> U						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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RoadInterchange (Point 00)

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	No Information						
Road Interchange Type	1	No Information	Enumeration	Unitless	0	The type of physical arrangement of a road interchange.	
allowed values:	Cloverleaf Other Symmetrical Ramps		Diamond Rotary Trumpet			Fork Staggered Ramps Turban	No Information Standard Ramps Wye
Route Pavement Information : Road Weather Restriction	1	No Information	Enumeration	Unitless	0	The type of weather conditions under which a road is usable.	
allowed values:	All-weather No Information		Closed in Winter Other			Fair-weather Winter Only	Limited All-weather
Route Desgination Type	3	No Information	Enumeration	Unitless	0	The type of a road network according to the nature of service that it is intended to provide, as designated by international, national and/or other administrative authorities.	
allowed values:	International No Information		Local Other			National Secondary	National Motorway
Route Designation	3	No Information	String	Unitless	24	The official designation assigned to a route. [Description] For example, 'I-95', 'A-1', 'E-6', or 'M-5'.	
allowed values:	No Information						
Route Pavement Information : Route Minimum Travelled Way Width	1	-999999	REAL	Metre	0	The minimum width of the travelled way of a route. [Description] Excludes pavements and shoulders.	
allowed values:	-999999						
Route Pavement Information : Route Surface Composition	1	No Information	Enumeration	Unitless	0	The composition(s) of a durable surface (for example: a pavement) intended to sustain ground traffic (for example: vehicular traffic or foot traffic). [Description] Depending on the traffic situation (for example: on a floor, in a courtyard, or on a road) different compositions may be used, however in general such surfaces are composed of pieces of a hard material fitted closely together (for example: cobble-stone or brick) or of an undivided hard layer (for example: concrete) so as to give a compact, uniform, and smooth surface.	
allowed values:	Aggregate Brick Flexible Pavement No Information Stabilized Earth		Asphalt Cobble-stone Ice Other Unimproved			Asphalt over Concrete Concrete Macadam Rigid Pavement Wood	Bound Surface Corduoy Metal Snow Wood Plank

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.
<i>allowed values:</i> False			No Information			True
Surface Slope	1	[-999999, -999999]	REAL_Interval	Percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval
Thoroughfare Type	1	No Information	Enumeration	Unitless	0	The type of a thoroughfare based on its design. [Description] A thoroughfare is a public way, unobstructed and forming a route (for example: a road or a path) between two places. The thoroughfare type may be used in proper names and thus to represent the components of a postal address in concert with Attributes: 'Address Number', 'Address Direction Prefix', 'Thoroughfare Name', and 'Address Direction Suffix'.
<i>allowed values:</i> Limited Access Motorway Road			No Information Roundabout			Other Street Ramp
Through Route	1	No Information	Boolean	Unitless	0	An indication that a route (for example: a road) passes through (both into and out of) a place (for example: an urban area) without interruption. [Description] A through route may have devices (for example: a traffic light) to control traffic flow.
<i>allowed values:</i> False			No Information			True
Track or Lane Count	1	-999999	REAL	Unitless	0	The total number of independent, parallel paths (for example: a railway track and/or a road lane) in both directions within a route.
<i>allowed values:</i> -999999						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<i>allowed values:</i> Below Ground Surface			No Information			On Surface On Waterbody Bottom
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: RoadInterchange (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 RoadInterchange (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 RoadInterchange (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 RoadInterchange (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 RoadInterchange (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 RoadInterchange (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 RoadInterchange (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 RoadInterchange (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 RoadInterchange (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)

Feature RoadsideRestArea (Area 00)

New ☐ Roadside Rest Area

A roadside place usually having facilities for people and/or vehicles.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AQ135	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ135						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Convenience Store No Information Restroom			Food Service Other Retail Telecommunications			Meeting Place Petrol Sale Navigation Restaurant
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True

New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
allowed values: <i>Damaged</i> <i>Destroyed</i> <i>Dismantled</i> <i>Intact</i> <i>No Information</i> <i>Ruined</i> <i>Site Preparation</i> <i>Under Construction</i> <i>Unmaintained</i>							
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: <i>U</i>							
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values: Army Geographic Agency (Netherlands) Army Geographic Centre (Spain) Army Geographic Institute (Portugal) Bundeswehr Geoinformation Office (Germany) Defence Acquisition and Logistics Organization (Denmark) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Defence Imagery and Geospatial Organisation (Australia) Defense Information Security (Italy) General Command of Mapping (Turkey) Geographic Service (Belgium) Geographic Service of the Czech Armed Forces (Czech Republic) Geospatial Information Agency (Latvia) Geospatial Intelligence Organisation (New Zealand) Hellenic Military Geographic Service (Greece) Joint Geography Bureau (France) Mapping and Charting Establishment (Canada) Mapping Service (Hungary) Military Geographic Group (Estonia) Military Geographic Service (Norway) Military Geography Division (Poland) Military Mapping Centre (Lithuania) Military Topographic Directorate (Romania) Military Topographic Service (Bulgaria) National Army Topographic Service (Moldova) <i>No Information</i> <i>Other</i> Swedish Armed Forces (Sweden) Topographic Institute (Slovakia) Topographic Service (Finland) U.S. Africa Command (USAFRICOM) U.S. Air Force U.S. Army U.S. Army Geospatial Center (AGC) U.S. Central Command (USCENTCOM) U.S. Central Intelligence Agency (CIA) U.S. Coast Guard U.S. Defense Intelligence Agency (DIA) U.S. Department of Energy (DOE) U.S. Department of Homeland Security (DHS) U.S. Department of State U.S. European Command (USEUCOM) U.S. Federal Bureau of Investigation (FBI) U.S. Geological Survey (USGS) U.S. Joint Forces Command (USJFCOM) U.S. Marine Corps U.S. National Civil Applications Program (NCAP) U.S. National Geospatial-Intelligence Agency (NGA) U.S. National Oceanic and Atmospheric Administration U.S. National Reconnaissance Office (NRO) U.S. National Security Agency (NSA) U.S. Navy U.S. Northern Command (USNORTHCOM) U.S. Pacific Command (PACOM) U.S. Southern Command (USSOUTHCOM) U.S. Special Operations Command (USSOCOM) U.S. Strategic Command (USSTRATCOM) U.S. Transportation Command (USTRANSCOM)							
	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: <i>No Information</i>							
	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: <i>No Information</i>							
	Route Pavement Information : Route Surface Composition	1	No Information	Enumeration	Unitless	0	The composition(s) of a durable surface (for example: a pavement) intended to sustain ground traffic (for example: vehicular traffic or foot traffic). [Description] Depending on the traffic situation (for example: on a floor, in a courtyard, or on a road) different compositions may be used, however in general such surfaces are composed of pieces of a hard material fitted closely together (for example: cobble-stone or brick) or of an undivided hard layer (for example: concrete) so as to give a compact, uniform, and smooth surface.
allowed values: Aggregate Asphalt Bound Surface Brick Cobble-stone Corduroy Flexible Pavement Ice Macadam Metal <i>No Information</i> <i>Other</i> Rigid Pavement Snow Stabilized Earth Unimproved Wood Wood Plank							
	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: <i>No Information</i>							

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: RoadsideRestArea (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 RoadsideRestArea (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 RoadsideRestArea (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 RoadsideRestArea (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 RoadsideRestArea (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 RoadsideRestArea (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 RoadsideRestArea (Area 00) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup 00)

Feature RoadsideRestArea (Point 00)

New ☐ Roadside Rest Area

A roadside place usually having facilities for people and/or vehicles.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AQ135	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ135						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Convenience Store No Information Restroom			Food Service Other Retail Telecommunications			Meeting Place Petrol Sale Navigation Restaurant
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
U.S. Northern Command (USNORTHCOM)						
U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.

allowed values: No Information

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
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allowed values: No Information

Route Pavement Information : Route Surface Composition	1	No Information	Enumeration	Unitless	0	The composition(s) of a durable surface (for example: a pavement) intended to sustain ground traffic (for example: vehicular traffic or foot traffic). [Description] Depending on the traffic situation (for example: on a floor, in a courtyard, or on a road) different compositions may be used, however in general such surfaces are composed of pieces of a hard material fitted closely together (for example: cobble-stone or brick) or of an undivided hard layer (for example: concrete) so as to give a compact, uniform, and smooth surface.
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<u>allowed values:</u> Aggregate Brick Flexible Pavement No Information Stabilized Earth			Asphalt Cobble-stone Ice Other Unimproved			Asphalt over Concrete Concrete Macadam Rigid Pavement Wood	Bound Surface Corduroy Metal Snow Wood Plank
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Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: RoadsideRestArea (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 RoadsideRestArea (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 RoadsideRestArea (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 RoadsideRestArea (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 RoadsideRestArea (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 RoadsideRestArea (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 RoadsideRestArea (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)

Feature RockFormation (Area 00)New ☐ Rock Formation**A significant outcropping of exposed bedrock.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999

New Feature Code	1	DB160	CONSTRAINED_STRING	Unitless	5	Feature Code
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allowed values: DB160

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
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<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False No Information True						
Predominant Feature Height	1	-999999	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).
<u>allowed values:</u> -999999						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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RockFormation (Area 00)

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Rock Formation Structure	1	No Information	Enumeration	Unitless	0	The structure of a significant outcropping of exposed rock.
allowed values:	Columnar Other		Fossilized Forest Pinnacle			Needle No Information
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: RockFormation (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 RockFormation (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 RockFormation (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 RockFormation (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 RockFormation (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 RockFormation (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 RockFormation (Area 00) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup 00)
 RockFormation (Area 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 RockFormation (Area 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature RockFormation (Point 00) New ☐ Rock Formation

A significant outcropping of exposed bedrock.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Feature Code	1	DB160	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> DB160						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False		No Information				True

Predominant Feature Height	1	-999999	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).
<i>allowed values:</i> -999999						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Rock Formation Structure	1	No Information	Enumeration	Unitless	0	The structure of a significant outcropping of exposed rock.
<i>allowed values:</i> Columnar Other			Fossilized Forest Pinnacle			Needle No Information
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: RockFormation (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 RockFormation (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 RockFormation (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 RockFormation (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 RockFormation (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 RockFormation (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 RockFormation (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 RockFormation (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 RockFormation (Point 00) - is a member of group - Exactly one - PhysiographyPnt (FeatureGroup 00)

Feature Roundhouse (Area 00)

New ☐ Roundhouse

A circular or semicircular building, with a railway turntable in the centre, used for storing and/or repairing railway locomotives. [Description] The railway turntable may be either completely covered, partially covered or not covered, and partially or completely surrounded by the building.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
allowed values: No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
allowed values: False			No Information			True
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
allowed values: -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
allowed values: Civilian National State			International No Information			Joint Military and Civilian Military Other Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AN076	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: AN076						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
allowed values: No Information Warehousing and Storage			Other			Railway Transport Railway Vehicle Repair
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values: No Information						

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i> Accurate			Approximate			Doubtful
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Track Information : Railway Gauge	1	-999999	REAL	Metre	0	The distance between a single pair of rails of a railway, measured along the shortest distance from inside rail to inside rail.
<i>allowed values:</i> -999999						
Track Information : Railway Gauge Classification	1	No Information	Enumeration	Unitless	0	The classification of a railway based on the distance between a single pair of rails, measured along the shortest distance from inside rail to inside rail.
<i>allowed values:</i> Broad			Narrow			No Information Standard
Track Information : Railway Power Method	1	No Information	Enumeration	Unitless	0	The method by which electrical power is distributed on a railway, if any.
<i>allowed values:</i> Electrified Track Overhead Electrified			No Information			Non-electrified Other
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
allowed values:	Conical Flat with Parapet Pitched with Clerestory With Clerestory With Steeple		Domed No Information Pyramidal With Cupola With Tower		Flat Other Sawtoothed With Minaret With Turret	Flat with Clerestory Pitched Semi-cylindrical With Smokestack
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Track Information : Track Type	1	No Information	Enumeration	Unitless	0	The type of function, configuration, and/or management of a railway track.
allowed values:	Crane Track Ladder Track Other Team Track		Drill Track Maglev Paired Track		House Track Monorail Rip Track	Joint Track No Information Stub Track
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
allowed values:	Adobe Brick Other Wood		Concrete Prestressed Concrete		Masonry Reinforced Concrete	No Information Steel
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.

allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Roundhouse (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Roundhouse (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Roundhouse (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Roundhouse (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Roundhouse (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Roundhouse (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Roundhouse (Area 00) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup 00)
 Roundhouse (Area 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature Roundhouse (Point 00)New ☐ Roundhouse

A circular or semicircular building, with a railway turntable in the centre, used for storing and/or repairing railway locomotives. [Description] The railway turntable may be either completely covered, partially covered or not covered, and partially or completely surrounded by the building.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<u>allowed values:</u> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<u>allowed values:</u> False			No Information			True
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> Civilian National State			International No Information			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AN076	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AN076						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<u>allowed values:</u> No Information Warehousing and Storage			Other			Railway Transport Railway Vehicle Repair
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i> Accurate			Approximate			Doubtful
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Track Information : Railway Gauge	1	-999999	REAL	Metre	0	The distance between a single pair of rails of a railway, measured along the shortest distance from inside rail to inside rail.
<i>allowed values:</i> -999999						
Track Information : Railway Gauge Classification	1	No Information	Enumeration	Unitless	0	The classification of a railway based on the distance between a single pair of rails, measured along the shortest distance from inside rail to inside rail.
<i>allowed values:</i> Broad			Narrow			No Information Standard
Track Information : Railway Power Method	1	No Information	Enumeration	Unitless	0	The method by which electrical power is distributed on a railway, if any.
<i>allowed values:</i> Electrified Track Overhead Electrified			No Information			Non-electrified Other
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
allowed values:	Conical Flat with Parapet Pitched with Clerestory With Clerestory With Steeple		Domed No Information Pyramidal With Cupola With Tower		Flat Other Sawtoothed With Minaret With Turret	Flat with Clerestory Pitched Semi-cylindrical With Smokestack
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Track Information : Track Type	1	No Information	Enumeration	Unitless	0	The type of function, configuration, and/or management of a railway track.
allowed values:	Crane Track Ladder Track Other Team Track		Drill Track Maglev Paired Track		House Track Monorail Rip Track	Joint Track No Information Stub Track
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
allowed values:	Adobe Brick Other Wood		Concrete Prestressed Concrete		Masonry Reinforced Concrete	No Information Steel
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.

allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Roundhouse (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Roundhouse (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Roundhouse (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Roundhouse (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Roundhouse (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Roundhouse (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Roundhouse (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Roundhouse (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Roundhouse (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)

Feature Ruins (Area 00)New ☐ Ruins**The deteriorated remains of an unspecified structure.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	AL200	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AL200						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

allowed values: -999999

Location Referenced to Shoreline	1	No Information	Enumeration	Unitless	0	The location of an object in relation to a land water boundary.
<u>allowed values:</u>	At Shoreline		Inland	No Information		Offshore
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u>	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u>	False		No Information		True	
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u>	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)					
	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)					
	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)					
	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u>	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<u>allowed values:</u>	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<u>allowed values:</u>	No Information					

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Ruins (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Ruins (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Ruins (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Ruins (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Ruins (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Ruins (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Ruins (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Ruins (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Ruins (Area 00) - is a member of group - Exactly one - CultureSrf (FeatureGroup 00)

Feature Ruins (Point 00)

New ☐ Ruins

The deteriorated remains of an unspecified structure.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Feature Code	1	AL200	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL200						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999						
Location Referenced to Shoreline	1	No Information	Enumeration	Unitless	0	The location of an object in relation to a land water boundary.
allowed values: At Shoreline Inland No Information Offshore						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values: False No Information True						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values: Army Geographic Agency (Netherlands) Army Geographic Centre (Spain) Army Geographic Institute (Portugal) Bundeswehr Geoinformation Office (Germany) Defence Acquisition and Logistics Organization (Denmark) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Defence Imagery and Geospatial Organisation (Australia) Defense Information Security (Italy) General Command of Mapping (Turkey) Geographic Service (Belgium) Geographic Service of the Czech Armed Forces (Czech Republic) Geospatial Information Agency (Latvia) Geospatial Intelligence Organisation (New Zealand) Hellenic Military Geographic Service (Greece) Joint Geography Bureau (France) Mapping and Charting Establishment (Canada) Mapping Service (Hungary) Military Geographic Group (Estonia) Military Geographic Service (Norway) Military Geography Division (Poland) Military Mapping Centre (Lithuania) Military Topographic Directorate (Romania) Military Topographic Service (Bulgaria) National Army Topographic Service (Moldova) No Information Other Swedish Armed Forces (Sweden) Topographic Institute (Slovakia) Topographic Service (Finland) U.S. Air Force U.S. Army U.S. Army Geospatial Center (AGC) U.S. Central Intelligence Agency (CIA) U.S. Coast Guard U.S. Defense Intelligence Agency (DIA) U.S. Department of Energy (DOE) U.S. Department of Homeland Security (DHS) U.S. Department of State U.S. European Command (USEUCOM) U.S. Federal Bureau of Investigation (FBI) U.S. Geological Survey (USGS) U.S. Joint Forces Command (USJFCOM) U.S. Marine Corps U.S. National Civil Applications Program (NCAP) U.S. National Geospatial-Intelligence Agency (NGA) U.S. National Oceanic and Atmospheric Administration U.S. National Reconnaissance Office (NRO) U.S. National Security Agency (NSA) U.S. Navy U.S. Northern Command (USNORTHCOM) U.S. Pacific Command (PACOM) U.S. Southern Command (USSOUTHCOM) U.S. Special Operations Command (USSOCOM) U.S. Strategic Command (USSTRATCOM) U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Ruins (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Ruins (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Ruins (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Ruins (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Ruins (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Ruins (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Ruins (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Ruins (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Ruins (Point 00) - is a member of group - Exactly one - CulturePnt (FeatureGroup 00)

Feature Runway (Area 00)New ☐ Runway**A defined rectangular area on a land aerodrome prepared for the landing and take-off of aircraft.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aerodrome Elevation	1	-999999	REAL	Metre	0	The vertical distance above Mean Sea Level (MSL) of the highest point of the landing area.
<i>allowed values:</i> -999999						
Aerodrome Pavement Information : Aerodrome Movement Area Surface Category	1	No Information	Enumeration	Unitless	0	The level of preparation of the aerodrome movement area surface, as a category. [Description] Common category types may range from natural to completely paved.
<i>allowed values:</i> Completely Paved No Information Unpaved			<i>Flexible Pavement</i> Other Unprepared			<i>Grass/Sod (Soft)</i> Partially Paved <i>Mostly Paved</i> <i>Stabilized Earth</i>
Aerodrome Pavement Information : Aerodrome Movement Area Surface Composition	3	No Information	Enumeration	Unitless	0	The type of the predominant material of which a surface of the movement area is composed. [Description] Example surfaces include: asphalt, concrete, or grass.
<i>allowed values:</i> Asphalt Clay Gravel Macadam Other Stone			Asphalt Over Concrete Concrete Ice Membrane Pierced Steel Planking Water			Bituminous Mix Coral Landing Mat <i>No Information</i> Sand Wood Brick Earthen Laterite Non-bituminous Mix Snow

Aerodrome Pavement Information : Aerodrome Movement Area Surface Preparation Method	3	No Information	Enumeration	Unitless	0	The preparation technique(s) applied to a surface composition.
allowed values: Aggregate Seal Coat No Information Rolled			Graded Oiled Rubberized Seal Coat			Grass Other Grooved Porous Friction Course
Aerodrome Pavement Information : Aerodrome Pavement Functional Status	1	No Information	Enumeration	Unitless	0	The functional status of the pavement of an aerodrome movement area. [Description] An aerodrome movement area is that part of an aerodrome to be used for aircraft movement operations, consisting of the manoeuvring area and the apron(s).
allowed values: Fair No Information Unserviceable			Fair Estimated Poor			Good Poor Estimated Good Estimated Under Construction
Aerodrome Surface Status	1	No Information	Enumeration	Unitless	0	The operational status of an aerodrome movement area, as a category. [Description] For example: serviceable, unserviceable, closed, or work-in-progress.
allowed values: Closed Work in Progress			No Information			Open Parked or Disabled Aircraft
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
allowed values: Civilian National State			International No Information			Joint Military and Civilian Other Military Private
Deck Level	1	-999999	REAL	Unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value.
allowed values: -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	GB055	CONSTRAINED_ STRING	Unitless	5	Feature Code
allowed values: GB055						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values: No Information						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
allowed values: -999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
allowed values: Accurate			Approximate			Doubtful No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999						

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Runway Direction (low end) : Runway Designator (low)	1	No Information	String	Unitless	14	The designator of the runway that is used to uniquely identify it at an aerodrome. [Description] This may be used to identify either both directions of the runway (for example: '09/27' or '02R/20L') or one direction independently (for example: '27', '35L', '01R').
<i>allowed values:</i> No Information						
<i>allowed values:</i> No Information						
Runway Direction (low end) : Runway True Heading (low)	1	-999999	Real	Arc Degree		The true heading of a runway.
<i>allowed values:</i> -999999						
<i>allowed values:</i> -999999						

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
New Surface Permanence	1	No Information	Enumeration	Unitless	0	The permanence of the surface material.
<i>allowed values:</i> Natural			No Information			Permanent Temporary
Runway Direction (low end) : Surface Slope (low)	1	[-999999, -999999]	REAL_Interval	Percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval
<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Runway (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Runway (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Runway (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Runway (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Runway (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Runway (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Runway (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Runway (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Runway (Area 00) - is a member of group - Exactly one - AeronauticSrf (FeatureGroup 00)

Feature Sabkha (Area 00)New ☐ Sabkha**A natural depression in arid or semi-arid regions whose bed is covered with salt encrusted clayey soil. [Description] Found especially in North Africa and Arabia.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Feature Code	1	BH160	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH160						

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
U.S. Northern Command (USNORTHCOM)						U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Sabkha (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Sabkha (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Sabkha (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Sabkha (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Sabkha (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Sabkha (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Sabkha (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Sabkha (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Sabkha (Area 00) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup 00)

Feature SaltEvaporator (Area 00) New ☐ Salt Evaporator

Shallow pools, normally man-made, used for the natural evaporation of water for the collection of salt.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BH155	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH155						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Man-made	1	No Information	Boolean	Unitless	0	An indication that a feature is man-made.

<i>allowed values:</i> <i>False</i>			No Information		<i>True</i>	
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> <i>False</i>			No Information		<i>True</i>	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> <i>Damaged</i> No Information <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>		<i>Dismantled</i> <i>Site Preparation</i>	<i>Intact</i> <i>Under Construction</i>
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> <i>U</i>						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>	<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: SaltEvaporator (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SaltEvaporator (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SaltEvaporator (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SaltEvaporator (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SaltEvaporator (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 SaltEvaporator (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 SaltEvaporator (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 SaltEvaporator (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 SaltEvaporator (Area 00) - is a member of group - Exactly one - IndustrySrf (FeatureGroup 00)

Feature SaltEvaporator (Point 00)

New ☐ Salt Evaporator

Shallow pools, normally man-made, used for the natural evaporation of water for the collection of salt.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational
New Feature Code	1	BH155	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BH155						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Man-made	1	No Information	Boolean	Unitless	0	An indication that a feature is man-made.
<u>allowed values:</u> False			No Information			True
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>			Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: SaltEvaporator (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SaltEvaporator (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SaltEvaporator (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SaltEvaporator (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SaltEvaporator (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 SaltEvaporator (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 SaltEvaporator (Point 00) - is a member of group - Exactly one - IndustryPnt (FeatureGroup 00)

Feature SaltFlat (Area 00)New ☐ Salt Flat**A flat area of natural surface salt deposits. [Description] May also be used to describe smaller areas; these are commonly termed salt pans.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	BH150	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BH150						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
allowed values:	Evaporite Soil		No Information			Other Sand
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: SaltFlat (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SaltFlat (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SaltFlat (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SaltFlat (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SaltFlat (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 SaltFlat (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 SaltFlat (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 SaltFlat (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 SaltFlat (Area 00) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup 00)

Feature SandDunes (Area 00)New ☐ Sand Dunes**One or more mounds or ridges of sand usually formed by the wind.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Feature Code	1	DB170	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> DB170						
Feature Element Orientation	1	[-999999, -999999]	Real_Interval	Arc Degree		The angular distance measured from true north (0 degrees) clockwise to the predominant linear pattern of the elements within a feature.
<i>allowed values:</i> [-999999, -999999]			-999999			
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						

Restriction Information : Security Attributes Group (resource classification)		1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: <i>U</i>							
Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:							
	Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)		Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)		Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)			Geographic Service (Belgium)		Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)		Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)			Military Geographic Group (Estonia)		Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)		Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information			Other		Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)		U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)		U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)		U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)		U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)		U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)		U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)		U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: <i>No Information</i>							
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: <i>No Information</i>							
Sand Dune Orientation		1	-999999	REAL	Arc Degree	0	The characteristic alignment of a sand dune imposed by prevailing winds. [Description] Normally, the angular distance measured from true north (0 degrees) clockwise to the direction of the dune crests.
allowed values: <i>-999999</i>							
Sand Dune Stabilized		1	No Information	Boolean	Unitless	0	An indication that the height and location of a sand dune, or area of sand dunes, is unchanging. [Description] The dune(s) are usually vegetated and in consequence they are relatively unaffected by the scouring action of local winds.
allowed values: <i>False</i>				<i>No Information</i>		<i>True</i>	
Sand Dune Type		1	No Information	Enumeration	Unitless	0	The type of a sand dune based on its shape and/or structure.
allowed values:							
	Crescent			Dome		Dome and Transverse	Linear
	No Information			Other		Parabolic	Ripple
	Star			Transverse			
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: <i>No Information</i>							
Unique Entity Identifier		1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: <i>No Information</i>							

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: SandDunes (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SandDunes (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SandDunes (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SandDunes (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SandDunes (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 SandDunes (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 SandDunes (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 SandDunes (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 SandDunes (Area 00) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup 00)

Feature Scoreboard (Point 00)

New ☐ Scoreboard

A large outdoor board for publicly displaying the score in an athletic event. [Description] Usually associated with a sports stadium or major playing field.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AK161	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK161						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Height of Object	1	-999999	REAL	Metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> -999999						

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False			No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
U.S. Northern Command (USNORTHCOM)						
U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.

allowed values: No Information

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
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allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
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allowed values: No Information

Relationships: Scoreboard (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Scoreboard (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Scoreboard (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Scoreboard (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Scoreboard (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Scoreboard (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Scoreboard (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Scoreboard (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Scoreboard (Point 00) - is a member of group - Exactly one - RecreationPnt (FeatureGroup 00)

Feature SeaplaneRun (Area 00)New ☐ Seaplane Run**A designated portion of water that is outlined by visual surface markings and used by seaplanes to land and take-off.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information			Not in Operation			Operational Partially Operational
New Feature Code	1	GB070	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> GB070						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.

allowed values: -999999

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
allowed values: -999999							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
allowed values: No Information							
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
allowed values: No Information							
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.	
allowed values: Intact							
			No Information		Under Construction		Unmaintained
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
allowed values: U							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:							
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)		Army Geographic Institute (Portugal)		Bundeswehr Geoinformation Office (Germany)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)		Defence Imagery and Geospatial Organisation (Australia)		Defense Information Security (Italy)
General Command of Mapping (Turkey)			Geographic Service (Belgium)		Geographic Service of the Czech Armed Forces (Czech Republic)		Geospatial Information Agency (Latvia)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)		Joint Geography Bureau (France)		Mapping and Charting Establishment (Canada)
Mapping Service (Hungary)			Military Geographic Group (Estonia)		Military Geographic Service (Norway)		Military Geography Division (Poland)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)		Military Topographic Service (Bulgaria)		National Army Topographic Service (Moldova)
No Information			Other		Swedish Armed Forces (Sweden)		Topographic Institute (Slovakia)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)		U.S. Air Force		U.S. Army
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)		U.S. Central Intelligence Agency (CIA)		U.S. Coast Guard
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)		U.S. Department of Homeland Security (DHS)		U.S. Department of State
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)		U.S. Geological Survey (USGS)		U.S. Joint Forces Command (USJFCOM)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)		U.S. National Geospatial-Intelligence Agency (NGA)		U.S. National Oceanic and Atmospheric Administration
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)		U.S. Navy		U.S. Northern Command (USNORTHCOM)
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)		U.S. Special Operations Command (USSOCOM)		U.S. Strategic Command (USSTRATCOM)
U.S. Transportation Command (USTRANSCOM)							
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values: No Information							
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values: No Information							
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values: No Information							

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: SeaplaneRun (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SeaplaneRun (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SeaplaneRun (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SeaplaneRun (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SeaplaneRun (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 SeaplaneRun (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 SeaplaneRun (Area 00) - is a member of group - Exactly one - AeronauticSrf (FeatureGroup 00)

Feature Settlement (Area 00)

New ☐ Settlement

A continuously occupied concentration of tents or lightweight fixed structures (for example: huts) serving as residences. [Description] May also include supporting non-residential (for example: commercial) structures.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AL105	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AL105						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<u>allowed values:</u> Agriculture No Information Residence			Commerce Other			Institution Recreation Manufacturing Refugee Shelter
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
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allowed values: -999999

Homogenous Habitation Distribution	1	No Information	Boolean	Unitless	0	An indication that a settled area contains a relatively homogeneous distribution of dwellings. [Description] Non-homogenous distributions result from the concentration of dwellings around multiple dispersed points within the settled area.
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allowed values: False

No Information

True

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999

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

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

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

No Information

True

New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
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allowed values: Damaged
No Information
Unmaintained

Destroyed
Ruined

Dismantled
Site Preparation

Intact
Under Construction

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
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allowed values: U

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
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<u>allowed values:</u>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
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Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Settlement (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
Settlement (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
Settlement (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
Settlement (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
Settlement (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
Settlement (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
Settlement (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
Settlement (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
Settlement (Area 00) - is a member of group - Exactly one - SettlementSrf (FeatureGroup 00)

Feature Settlement (Point 00)New ☐ Settlement

A continuously occupied concentration of tents or lightweight fixed structures (for example: huts) serving as residences. [Description] May also include supporting non-residential (for example: commercial) structures.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AL105	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL105						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.

<i>allowed values:</i>	Agriculture No Information Residence		Commerce Other			Institution Recreation	Manufacturing Refugee Shelter
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.	
<i>allowed values:</i>	No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
<i>allowed values:</i>	-999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<i>allowed values:</i>	-999999						
Homogenous Habitation Distribution	1	No Information	Boolean	Unitless	0	An indication that a settled area contains a relatively homogeneous distribution of dwellings. [Description] Non-homogenous distributions result from the concentration of dwellings around multiple dispersed points within the settled area.	
<i>allowed values:</i>	False		No Information		True		
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i>	-999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i>	No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i>	No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
<i>allowed values:</i>	False		No Information		True		
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.	
<i>allowed values:</i>	Damaged No Information Unmaintained		Destroyed Ruined		Dismantled Site Preparation		Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i>	U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Settlement (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
Settlement (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
Settlement (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
Settlement (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
Settlement (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
Settlement (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
Settlement (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
Settlement (Point 00) - is a member of group - Exactly one - SettlementPnt (FeatureGroup 00)
Settlement (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature SettlingPond (Area 00)

New ☐ Settling Pond

A small reservoir where solid matter is precipitated from a liquid by evaporating or settling.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Average Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999, -999999]			No Information			
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AC030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AC030						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Volume	1	-999999	REAL	Cubic Metre		The volume of a feature. [Description] For example, the storage capacity of a water tower.
allowed values: -999999						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: SettlingPond (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SettlingPond (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SettlingPond (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SettlingPond (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SettlingPond (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 SettlingPond (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 SettlingPond (Area 00) - is a member of group - Exactly one - IndustrySrf (FeatureGroup 00)
 SettlingPond (Area 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature SewageTreatmentPlant (Area 00)

New ☐ Sewage Treatment Plant

An operational area with buildings and other facilities for the purification of wastewater.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre		The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999						
Average Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999, -999999]			No Information			
Manufacturing Information : By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Ash Other Sewage			Cinders Radioactive Material Slag			No Byproduct Refuse No Information Scrap-metal
New Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre		The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999						
New Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density		The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
New Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre		The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999						
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i> -999999						
New Water Resource Information : Device Power Type	1	No Information	Enumeration	Unitless	0	The method by the device is powered, if any.
<i>allowed values:</i> Compressed Air No Information			Electricity Other			Gravity Petroleum Product Manual Steam
New Water Resource Information : Device Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the device and the underlying ground (terrain), liquid or waterbody bottom.
<i>allowed values:</i> Above Surface On Waterbody Bottom			Below Ground Surface Other			No Information Submerged On Surface
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational

New	Feature Code	1	AC507	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<u>allowed values:</u> AC507						
	Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
	Geographic Name Type	3	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Other			Historical Transliterated Provisional			Native Transliterated Unverified Transliterated No Information Variant Transliterated
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999						
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999						
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999						
	Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
	<u>allowed values:</u> False			No Information			True
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre		The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<u>allowed values:</u> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
New	Water Resource Information : pH of Water	1	-999999	Real	Milligrams per Litre		The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<u>allowed values:</u> -999999						
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<u>allowed values:</u> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction

	Predominant Average Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second	The average water velocity, exclusive of high water due to runoff or low water due to drought.	
	<i>allowed values:</i> [-999999, -999999]			No Information			
	Predominant Maximum Water Depth	1	[-999999, -999999]	Real_Interval	Metre	The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.	
	<i>allowed values:</i> [-999999, -999999]			No Information			
	Predominant Maximum Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second	The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.	
	<i>allowed values:</i> [-999999, -999999]						
	Predominant Minimum Water Depth	1	[-999999, -999999]	Real_Interval	Metre	The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.	
	<i>allowed values:</i> [-999999, -999999]			No Information			
	Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
	<i>allowed values:</i> Chemical Water			No Information		Other	Sewage
New	Water Resource Information : Pump Type	1	No Information	Enumeration	Unitless	0	The type of pump used to move liquid or semi-liquid material from one location to another.
	<i>allowed values:</i> Airlift No Information Turbine			Centrifugal Other Vacuum		Gravity Reciprocating	Jet Rotary
New	Water Resource Information : Purification Process	5	No Information	Enumeration	Unitless	0	Water purification process
	<i>allowed values:</i> Blending Filtration No Information Vapor Compression			Desalination Freezing Other		Disinfection Multi-effect evaporation Reverse Osmosis	Electrolysis Multi-stage flash Sedimentation/coagulation
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<i>allowed values:</i> U						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
	<i>allowed values:</i> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)

	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
	<u>allowed values:</u> No Information						
	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
	<u>allowed values:</u> No Information						
	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
	<u>allowed values:</u> No Information						
New	Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre		The mass of sulfate ions per volume of solution.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Temperature	1	-999999	Real	Degree Celsius		The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre		The total mass of dissolved inorganic chemical constituents per volume of solution.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units		The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<u>allowed values:</u> -999999						
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<u>allowed values:</u> No Information						
	Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
	<u>allowed values:</u> Adobe Brick Fibreglass Metal Plant Material Steel			Aluminum Glass Mud-based Construction Prestressed Concrete Stone		Brick Iron No Information Reinforced Concrete Treated Timber	Concrete Masonry Other Sod Wood
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime		The electrical conductivity of water.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Water Flow	1	-999999	Real	Cubic Metres per Second	0	The rate of water flow through or exiting from a feature.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre		The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<u>allowed values:</u> -999999						
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless		The type of available water based on its composition.

	allowed values:	Alkaline Mineral Saline		Brackish No Information Seawater		Brine Not Applicable		Fresh Other
New	Water Resource Information : Water Use	3	No Information	Enumeration	Unitless	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.		
	allowed values:	Agricultural Irrigation Institutional Other		Commercial Livestock Power Generation		Domestic Irrigation Municipal Recreational		Industrial No Information Sanitary Domestic
	Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	
	allowed values:	-999999						
	Wireless Telecommunication Information : Wireless Telecommunication Type	1	No Information	Enumeration	Unitless	0	The type of a wireless telecommunication service based on the mechanism(s) of transmission and/or the nature of the communication(s) supported. [Description] For example, radio broadcast or mobile phone service.	
	allowed values:	Cellular Phone Other Television (TV)		Microwave Radio Relay Radio Broadcast		Mobile Phone Radio Telephone		No Information Radio-telegraph

Relationships: SewageTreatmentPlant (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SewageTreatmentPlant (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SewageTreatmentPlant (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SewageTreatmentPlant (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SewageTreatmentPlant (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 SewageTreatmentPlant (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 SewageTreatmentPlant (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 SewageTreatmentPlant (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 SewageTreatmentPlant (Area 00) - is a member of group - Exactly one - UtilityInfrastructureSrf (FeatureGroup 00)

Feature SewageTreatmentPlant (Point 00)

New ☐ Sewage Treatment Plant

An operational area with buildings and other facilities for the purification of wastewater.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
allowed values: No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
New	Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
allowed values: -999999						
Average Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
allowed values: [-999999, -999999]						
Manufacturing Information : By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.
allowed values: Ash		Cinders		No Byproduct		No Information
Other		Radioactive Material		Refuse		Scrap-metal
Sewage		Slag				

New	Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre		The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<i>allowed values:</i>	-999999					
New	Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density		The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<i>allowed values:</i>	-999999					
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i>	Civilian National Public		International No Information State		Joint Military and Civilian Other	Military Private
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre		The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i>	-999999					
New	Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
	<i>allowed values:</i>	-999999					
New	Water Resource Information : Device Power Type	1	No Information	Enumeration	Unitless	0	The method by the device is powered, if any.
	<i>allowed values:</i>	Compressed Air No Information		Electricity Other		Gravity Petroleum Product	Manual Steam
New	Water Resource Information : Device Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the device and the underlying ground (terrain), liquid or waterbody bottom.
	<i>allowed values:</i>	Above Surface On Waterbody Bottom		Below Ground Surface Other		No Information Submerged	On Surface
	Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
	<i>allowed values:</i>	No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational	Operational
New	Feature Code	1	AC507	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i>	AC507					
	Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i>	No Information					
	Geographic Name Type	3	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i>	Conventional Other		Historical Transliterated Provisional		Native Transliterated Unverified Transliterated	No Information Variant Transliterated
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i>	-999999					
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i>	-999999					

	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999						
	Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
	<i>allowed values:</i> False			No Information			True
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre		The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<i>allowed values:</i> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
New	Water Resource Information : pH of Water	1	-999999	Real	Milligrams per Litre		The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<i>allowed values:</i> -999999						
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
	Predominant Average Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average water velocity, exclusive of high water due to runoff or low water due to drought.
	<i>allowed values:</i> [-999999, -999999]			No Information			
	Predominant Maximum Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	<i>allowed values:</i> [-999999, -999999]			No Information			
	Predominant Maximum Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.
	<i>allowed values:</i> [-999999, -999999]						
	Predominant Minimum Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	<i>allowed values:</i> [-999999, -999999]			No Information			
	Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
	<i>allowed values:</i> Chemical Water			No Information		Other	Sewage
New	Water Resource Information : Pump Type	1	No Information	Enumeration	Unitless	0	The type of pump used to move liquid or semi-liquid material from one location to another.
	<i>allowed values:</i> Airlift No Information Turbine			Centrifugal Other Vacuum		Gravity Reciprocating	Jet Rotary

New	Water Resource Information : Purification Process	5	No Information	Enumeration	Unitless	0	Water purification process
<i>allowed values:</i> <i>Blending</i> <i>Filtration</i> <i>No Information</i> <i>Vapor Compression</i>							
<i>Desalination</i> <i>Freezing</i> <i>Other</i>							
<i>Disinfection</i> <i>Multi-effect evaporation</i> <i>Reverse Osmosis</i>							
<i>Electrolysis</i> <i>Multi-stage flash</i> <i>Sedimentation/coagulation</i>							
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> <i>U</i>							
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) <i>No Information</i> Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)							
Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) <i>Other</i> U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)							
Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)							
Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)							
	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> <i>No Information</i>							
	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> <i>No Information</i>							
	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> <i>No Information</i>							
New	Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre		The mass of sulfate ions per volume of solution.
<i>allowed values:</i> <i>-999999</i>							
New	Water Resource Information : Temperature	1	-999999	Real	Degree Celsius		The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> <i>-999999</i>							
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre		The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> <i>-999999</i>							

New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).	
<i>allowed values:</i> -999999							
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information							
	Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i>				Adobe Brick	Aluminum	Brick	Concrete
				Fibreglass	Glass	Iron	Masonry
				Metal	Mud-based Construction	No Information	Other
				Plant Material	Prestressed Concrete	Reinforced Concrete	Sod
				Steel	Stone	Treated Timber	Wood
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	The electrical conductivity of water.	
<i>allowed values:</i> -999999							
New	Water Resource Information : Water Flow	1	-999999	Real	Cubic Metres per Second	0	The rate of water flow through or exiting from a feature.
<i>allowed values:</i> -999999							
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.	
<i>allowed values:</i> -999999							
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	The type of available water based on its composition.	
<i>allowed values:</i>				Alkaline	Brackish	Brine	Fresh
				Mineral	No Information	Not Applicable	Other
				Saline	Seawater		
New	Water Resource Information : Water Use	3	No Information	Enumeration	Unitless	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.	
<i>allowed values:</i>				Agricultural Irrigation	Commercial	Domestic Irrigation	Industrial
				Institutional	Livestock	Municipal	No Information
				Other	Power Generation	Recreational	Sanitary Domestic
	Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999							
	Wireless Telecommunication Information : Wireless Telecommunication Type	1	No Information	Enumeration	Unitless	0	The type of a wireless telecommunication service based on the mechanism(s) of transmission and/or the nature of the communication(s) supported. [Description] For example, radio broadcast or mobile phone service.
<i>allowed values:</i>				Cellular Phone	Microwave Radio Relay	Mobile Phone	No Information
				Other	Radio Broadcast	Radio Telephone	Radio-telegraph
				Television (TV)			

Relationships: SewageTreatmentPlant (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SewageTreatmentPlant (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SewageTreatmentPlant (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SewageTreatmentPlant (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SewageTreatmentPlant (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 SewageTreatmentPlant (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 SewageTreatmentPlant (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 SewageTreatmentPlant (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 SewageTreatmentPlant (Point 00) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup 00)

Feature ShantyTown (Area 00)New ☐ Shanty Town

A section of a built-up area consisting chiefly of densely packed shacks and having few, if any, streets and no public facilities. [Description] Usually located on the outskirts of the built-up area. The shacks are generally crude, improvised, and made from salvaged materials.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AL208	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL208						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Homeless Shelter Other			Leprosy Care Refugee Shelter			Migrant Labour Residence No Information
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>			Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)
						Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)
						Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: ShantyTown (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 ShantyTown (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 ShantyTown (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 ShantyTown (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 ShantyTown (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 ShantyTown (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 ShantyTown (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 ShantyTown (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 ShantyTown (Area 00) - is a member of group - Exactly one - SettlementSrf (FeatureGroup 00)

Feature ShantyTown (Point 00)New ☐ Shanty Town

A section of a built-up area consisting chiefly of densely packed shacks and having few, if any, streets and no public facilities. [Description] Usually located on the outskirts of the built-up area. The shacks are generally crude, improvised, and made from salvaged materials.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AL208	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AL208						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<u>allowed values:</u> Homeless Shelter Other			Leprosy Care Refugee Shelter			Migrant Labour Residence No Information
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.					
allowed values: -999999											
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.					
allowed values: No Information											
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.					
allowed values: No Information											
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.					
allowed values: False											
New Physical Condition	1	No Information	Enumeration	Unitless		True					
allowed values:	Damaged		Destroyed		Dismantled		Intact				
	No Information		Ruined		Site Preparation		Under Construction				
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.					
allowed values: U											
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.					
allowed values:											
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)			Bundeswehr Geoinformation Office (Germany)		
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)			Defense Information Security (Italy)		
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)			Geospatial Information Agency (Latvia)		
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)			Mapping and Charting Establishment (Canada)		
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)			Military Geography Division (Poland)		
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)			National Army Topographic Service (Moldova)		
No Information			Other			Swedish Armed Forces (Sweden)			Topographic Institute (Slovakia)		
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force			U.S. Army		
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)			U.S. Coast Guard		
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)			U.S. Department of State		
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)			U.S. Joint Forces Command (USJFCOM)		
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)			U.S. National Oceanic and Atmospheric Administration		
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy			U.S. Northern Command (USNORTHCOM)		
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)			U.S. Strategic Command (USSTRATCOM)		
U.S. Transportation Command (USTRANSCOM)											
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.					
allowed values: No Information											
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.					

allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: ShantyTown (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 ShantyTown (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 ShantyTown (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 ShantyTown (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 ShantyTown (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 ShantyTown (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 ShantyTown (Point 00) - is a member of group - Exactly one - SettlementPnt (FeatureGroup 00)
 ShantyTown (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 ShantyTown (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature SharpCurve (Point 00)New ☐ Sharp Curve**A curve along a land transportation route that may restrict vehicle traffic.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Curve Radius	1	-999999	REAL	Metre	0	The radius of curvature of a segment of a feature (or the feature as a whole, if applicable). [Description] Typically the smallest radius of a curved feature with more than one radius will be collected.

allowed values: -999999

New Feature Code	1	AQ118	CONSTRAINED_STRING	Unitless	5	Feature Code
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allowed values: AQ118

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999

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

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

No Information

True

Restriction Information : Security Attributes Group (resource classification)		1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
allowed values: U								
Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:	Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information			Other			Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)							
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values: No Information								
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values: No Information								
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values: No Information								
Unique Entity Identifier		1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	

allowed values: No Information

Relationships: SharpCurve (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SharpCurve (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SharpCurve (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SharpCurve (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SharpCurve (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 SharpCurve (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 SharpCurve (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 SharpCurve (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 SharpCurve (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)

Feature ShearWall (Line 00)

New ☐ Shear Wall

The wall of the excavation within a quarry or extraction mine.

	Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New	Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
	<u>allowed values:</u> -999999						
New	Feature Code	1	AA011	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u> AA011						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999						
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999						
New	Least Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling.
	<u>allowed values:</u> -999999						
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Predominant Feature Height	1	-999999	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).
	<u>allowed values:</u> -999999						
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<u>allowed values:</u> U						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						

Relationships: ShearWall (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 ShearWall (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 ShearWall (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 ShearWall (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 ShearWall (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 ShearWall (Line 00) - is a member of group - Exactly one - IndustryCrv (FeatureGroup 00)

Feature Shed (Area 00)

New ☐ Shed

A small building, generally of light construction, that usually has one or more open sides. [Description] Typically used for storage.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
allowed values: No Information						
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.

allowed values: -999999

Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Manufacturing Information : By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.
<u>allowed values:</u> Ash Other Sewage Cinders Radioactive Material Slag No Byproduct Refuse No Information Scrap-metal						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational						
New Feature Code	1	AL019	CONSTRAINED_ STRING	Unitless	5	Feature Code
<u>allowed values:</u> AL019						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<u>allowed values:</u> Agriculture Meeting Place Pipeline Transport Warehousing and Storage Air Transport No Information Railway Transport Water Transport Canal Transport Other Road Transport Emergency Operations Pedestrian Transport Transport						
Floor Count	1	-999999	REAL	Unitless	0	The number of floors in a structure (for example: a building).
<u>allowed values:</u> -999999						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Margin Number	1	-999999	Integer	Unitless		The numeric identifier used to relate a feature instance to additional information about that feature instance that may be presented along the margin (outside the neat line) of a map or chart sheet on which that feature instance is portrayed. [Description] The scope of uniqueness may only be within the map or chart sheet.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> <i>Damaged</i> No Information <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>			<i>Dismantled</i> <i>Site Preparation</i> <i>Intact</i> <i>Under Construction</i>
Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Aircraft Biochemical Chemical Coke Cotton Electronic Equipment Fluorine Gas Ice Liquefied Natural Gas (LNG) Metal Munitions Nuclear Fuel Petrochemical Petroleum Lubricant Radioactive Material Sewage Sugar Vegetation Product Zinc			Aluminum Biodiesel Clothing Concrete Desalinated Water Explosive Food Glass Iron Liquefied Petroleum Gas (LPG) Milk No Information Olive Oil Petrol Phosphorus Rice Silver Textile Water			Ammunition Brick Coal Consumer Goods Electric Power Fertilizer Frozen Water Gold Lead Lumber Milled Grain No Product Other Petroleum Plastic Rubber Snow Tobacco Whale Products Asphalt Cement Coffee Copper Electrical Equipment Fish Fruit Heating Steam and/or Water Lime Manganese Motor Vehicle Non-solid Hydrocarbon Fuel Paper Petroleum and/or Natural Gas Prestressed Concrete Salt Steel Uranium Wine
Manufacturing Information : Raw Material	3	No Information	Enumeration	Unitless	0	The principal 'raw', or input, material(s) involved in a production activity. [Description] If multiple 'raw' materials are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Aluminum Chemical Copper Gold Lumber No Raw Material Paper Radioactive Material Snow Tobacco Wood			Asphalt Clay Cotton Ice Manganese Oil Petroleum and/or Natural Gas Rubber Steel Uranium Zinc			Bauxite Coal Gas Iron Metal Ore Plant Material Sewage Sugar Vegetation Cement Coke Glass Lead No Information Other Plastic Silver Textile Water
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> <i>U</i>						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
allowed values:	Conical Flat with Parapet Pitched with Clerestory With Clerestory With Steeple		Domed No Information Pyramidal With Cupola With Tower		Flat Other Sawtoothed With Minaret With Turret	Flat with Clerestory Pitched Semi-cylindrical With Smokestack
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
allowed values:	Adobe Brick Iron No Information Steel		Aluminum Masonry Other Stone		Concrete Metal Plant Material Wood	Fibreglass Mud-based Construction Sod
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Shed (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Shed (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Shed (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Shed (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Shed (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Shed (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Shed (Area 00) - is a member of group - Exactly one - StructureSrf (FeatureGroup 00)

Feature Shed (Point 00)New ☐ Shed**A small building, generally of light construction, that usually has one or more open sides. [Description] Typically used for storage.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Manufacturing Information : By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Ash Other Sewage			Cinders Radioactive Material Slag			No Byproduct Refuse No Information Scrap-metal
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL019	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL019						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Agriculture Meeting Place Pipeline Transport Warehousing and Storage			Air Transport No Information Railway Transport Water Transport			Canal Transport Other Road Transport Emergency Operations Pedestrian Transport Transport
Floor Count	1	-999999	REAL	Unitless	0	The number of floors in a structure (for example: a building).
<i>allowed values:</i> -999999						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Margin Number	1	-999999	Integer	Unitless		The numeric identifier used to relate a feature instance to additional information about that feature instance that may be presented along the margin (outside the neat line) of a map or chart sheet on which that feature instance is portrayed. [Description] The scope of uniqueness may only be within the map or chart sheet.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Aircraft Biochemical Chemical Coke Cotton Electronic Equipment Fluorine Gas Ice Liquefied Natural Gas (LNG) Metal Munitions Nuclear Fuel Petrochemical Petroleum Lubricant Radioactive Material Sewage Sugar Vegetation Product Zinc			Aluminum Biodiesel Clothing Concrete Desalinated Water Explosive Food Glass Iron Liquefied Petroleum Gas (LPG) Milk No Information Olive Oil Petrol Phosphorus Rice Silver Textile Water		Ammunition Brick Coal Consumer Goods Electric Power Fertilizer Frozen Water Gold Lead Lumber Milled Grain No Product Other Petroleum Plastic Rubber Snow Tobacco Whale Products	Asphalt Cement Coffee Copper Electrical Equipment Fish Fruit Heating Steam and/or Water Lime Manganese Motor Vehicle Non-solid Hydrocarbon Fuel Paper Petroleum and/or Natural Gas Prestressed Concrete Salt Steel Uranium Wine

Manufacturing Information : Raw Material	3	No Information	Enumeration	Unitless	0	The principal 'raw', or input, material(s) involved in a production activity. [Description] If multiple 'raw' materials are specified then they are usually listed in descending order of importance.
allowed values:	Aluminum		Asphalt		Bauxite	Cement
	Chemical		Clay		Coal	Coke
	Copper		Cotton		Gas	Glass
	Gold		Ice		Iron	Lead
	Lumber		Manganese		Metal	No Information
	No Raw Material		Oil		Ore	Other
	Paper		Petroleum and/or Natural Gas		Plant Material	Plastic
	Radioactive Material		Rubber		Sewage	Silver
	Snow		Steel		Sugar	Textile
	Tobacco		Uranium		Vegetation	Water
	Wood		Zinc			
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values:	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	Army Geographic Agency (Netherlands)		Army Geographic Centre (Spain)		Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)		Defence Geographic Centre Intelligence Collection Group (United Kingdom)		Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)		Geographic Service (Belgium)		Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)		Hellenic Military Geographic Service (Greece)		Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)		Military Geographic Group (Estonia)		Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)		Military Topographic Directorate (Romania)		Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information		Other		Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)		U.S. Africa Command (USAFRICOM)		U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)		U.S. Central Command (USCENTCOM)		U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)		U.S. Department of Energy (DOE)		U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)		U.S. Federal Bureau of Investigation (FBI)		U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps		U.S. National Civil Applications Program (NCAP)		U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)		U.S. National Security Agency (NSA)		U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)		U.S. Southern Command (USSOUTHCOM)		U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
allowed values:	Conical		Domed		Flat	Flat with Clerestory
	Flat with Parapet		No Information		Other	Pitched
	Pitched with Clerestory		Pyramidal		Sawtoothed	Semi-cylindrical
	With Clerestory		With Cupola		With Minaret	With Smokestack
	With Steeple		With Tower		With Turret	

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Adobe Brick Iron No Information Steel			Aluminum Masonry Other Stone			Concrete Metal Plant Material Wood Fibreglass Mud-based Construction Sod
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Shed (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Shed (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Shed (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Shed (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Shed (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Shed (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Shed (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Shed (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Shed (Point 00) - is a member of group - Exactly one - StructurePnt (FeatureGroup 00)

Feature ShipElevator (Area 00)New ☐ Ship Elevator

A device used to raise ships vertically between water bodies with different elevations. [Description] Normally ship elevators consist of water filled chambers which can be raised or lowered by means of mechanical devices. Commonly used to move ships between canals where locks would be impractical.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.

		<i>allowed values:</i> No Information <i>Partially Operational</i>	Non-operational Planned		Not in Operation Temporarily Non-operational		<i>Operational</i>
New	Feature Code	1	BI006	CONSTRAINED_ STRING	Unitless	5	Feature Code
		<i>allowed values:</i> BI006					
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
		<i>allowed values:</i> No Information					
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
		<i>allowed values:</i> -999999					
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
		<i>allowed values:</i> -999999					
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
		<i>allowed values:</i> -999999					
New	Maximum Water Depth	1	-999999	Real	Metre		Maximum water depth the object was designed to hold.
		<i>allowed values:</i> -999999					
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
		<i>allowed values:</i> No Information					
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
		<i>allowed values:</i> No Information					
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
		<i>allowed values:</i> False	No Information		True		
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
		<i>allowed values:</i> Damaged No Information Unmaintained	Destroyed Ruined		Dismantled Site Preparation Intact Under Construction		
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
		<i>allowed values:</i> U					
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
allowed values:	No Information		Other			
Steel			Treated Timber			
Prestressed Concrete						
Reinforced Concrete						
Wood						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Usable Length	1	-999999	REAL	Metre	0	The interior length of a structure (for example: an aircraft bunker or a lock). [Description] The length is taken along the primary alignment of the structure. If the structure is irregular in shape the length is along its greatest horizontal dimension, else if the structure is regular in shape then a shape-specific rule may apply: for a rectangular structure, the length of the longer axis; for a round structure, the diameter.
allowed values:	-999999					
Usable Width	1	-999999	REAL	Metre	0	The interior width of a structure. [Description] For example, an aircraft bunker or a lock.
allowed values:	-999999					
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values:	No Information					

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: ShipElevator (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 ShipElevator (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 ShipElevator (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 ShipElevator (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 ShipElevator (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 ShipElevator (Area 00) - is a member of group - Exactly one - TransportationWaterSrf (FeatureGroup 00)

Feature ShipElevator (Line 00)

New ☐ Ship Elevator

A device used to raise ships vertically between water bodies with different elevations. [Description] Normally ship elevators consist of water filled chambers which can be raised or lowered by means of mechanical devices. Commonly used to move ships between canals where locks would be impractical.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BI006	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BI006						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.

<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
New Maximum Water Depth	1	-999999	Real	Metre		Maximum water depth the object was designed to hold.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged						
No Information						
Unmaintained						
Destroyed						
Ruined						
Dismantled						
Site Preparation						
Intact						
Under Construction						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands)						
Defence Acquisition and Logistics Organization (Denmark)						
General Command of Mapping (Turkey)						
Army Geographic Centre (Spain)						
Defence Geographic Centre Intelligence Collection Group (United Kingdom)						
Geographic Service (Belgium)						
Army Geographic Institute (Portugal)						
Defence Imagery and Geospatial Organisation (Australia)						
Geographic Service of the Czech Armed Forces (Czech Republic)						
Bundeswehr Geoinformation Office (Germany)						
Defense Information Security (Italy)						
Geospatial Intelligence Organisation (New Zealand)						
Mapping Service (Hungary)						
Military Mapping Centre (Lithuania)						
Hellenic Military Geographic Service (Greece)						
Military Geographic Group (Estonia)						
Military Topographic Directorate (Romania)						
No Information						
Other						
Topographic Service (Finland)						
U.S. Army Geospatial Center (AGC)						
U.S. Defense Intelligence Agency (DIA)						
U.S. European Command (USEUCOM)						
U.S. Marine Corps						
U.S. Africa Command (USAFRICOM)						
U.S. Central Command (USCENTCOM)						
U.S. Department of Energy (DOE)						
U.S. Federal Bureau of Investigation (FBI)						
U.S. National Civil Applications Program (NCAP)						
Geographic Service (Belgium)						
Joint Geography Bureau (France)						
Military Geographic Service (Norway)						
Military Topographic Service (Bulgaria)						
Swedish Armed Forces (Sweden)						
U.S. Air Force						
U.S. Central Intelligence Agency (CIA)						
U.S. Department of Homeland Security (DHS)						
U.S. Geological Survey (USGS)						
U.S. National Geospatial-Intelligence Agency (NGA)						
Geospatial Information Agency (Latvia)						
Mapping and Charting Establishment (Canada)						
Military Geography Division (Poland)						
National Army Topographic Service (Moldova)						
Topographic Institute (Slovakia)						
U.S. Army						
U.S. Coast Guard						
U.S. Department of State						
U.S. Joint Forces Command (USJFCOM)						
U.S. National Oceanic and Atmospheric Administration						
U.S. Northern Command (USNORTHCOM)						
U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> No Information			Other	Prestressed Concrete		
Steel			Treated Timber	Reinforced Concrete		
				Wood		
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Usable Length	1	-999999	REAL	Metre	0	The interior length of a structure (for example: an aircraft bunker or a lock). [Description] The length is taken along the primary alignment of the structure. If the structure is irregular in shape the length is along its greatest horizontal dimension, else if the structure is regular in shape then a shape-specific rule may apply: for a rectangular structure, the length of the longer axis; for a round structure, the diameter.
<i>allowed values:</i> -999999						
Usable Width	1	-999999	REAL	Metre	0	The interior width of a structure. [Description] For example, an aircraft bunker or a lock.
<i>allowed values:</i> -999999						
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: ShipElevator (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 ShipElevator (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 ShipElevator (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 ShipElevator (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 ShipElevator (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 ShipElevator (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 ShipElevator (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 ShipElevator (Line 00) - is a member of group - Exactly one - TransportationWaterCrv (FeatureGroup 00)

Feature ShipElevator (Point 00)New ☐ Ship Elevator

A device used to raise ships vertically between water bodies with different elevations. [Description] Normally ship elevators consist of water filled chambers which can be raised or lowered by means of mechanical devices. Commonly used to move ships between canals where locks would be impractical.

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

Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> <div>Civilian</div> <div>National</div> <div>Public</div> <div>International</div> <div>No Information</div> <div>State</div> <div>Joint Military and Civilian</div> <div>Other</div> <div>Military</div> <div>Private</div>						
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> <div>No Information</div> <div>Partially Operational</div> <div>Non-operational</div> <div>Planned</div> <div>Not in Operation</div> <div>Temporarily Non-operational</div> <div>Operational</div>						
New Feature Code	1	BI006	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BI006						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
New Maximum Water Depth	1	-999999	Real	Metre		Maximum water depth the object was designed to hold.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> <div>False</div> <div>No Information</div> <div>True</div>						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.

<i>allowed values:</i> <i>Damaged</i> No Information <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>			<i>Dismantled</i> <i>Site Preparation</i>	<i>Intact</i> <i>Under Construction</i>
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i> <i>U</i>							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
<i>allowed values:</i> No Information							
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
<i>allowed values:</i> No Information							
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.	
<i>allowed values:</i> No Information Steel			Other Treated Timber			Prestressed Concrete Wood	Reinforced Concrete
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
<i>allowed values:</i> No Information							
Usable Length	1	-999999	REAL	Metre	0	The interior length of a structure (for example: an aircraft bunker or a lock). [Description] The length is taken along the primary alignment of the structure. If the structure is irregular in shape the length is along its greatest horizontal dimension, else if the structure is regular in shape then a shape-specific rule may apply: for a rectangular structure, the length of the longer axis; for a round structure, the diameter.	
<i>allowed values:</i> -999999							

Usable Width	1	-999999	REAL	Metre	0	The interior width of a structure. [Description] For example, an aircraft bunker or a lock.
<i>allowed values:</i> -999999						
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: ShipElevator (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 ShipElevator (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 ShipElevator (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 ShipElevator (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 ShipElevator (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 ShipElevator (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 ShipElevator (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 ShipElevator (Point 00) - is a member of group - Exactly one - TransportationWaterPnt (FeatureGroup 00)

Feature ShippingContainer (Area 00)New ☐ Shipping Container

A moveable container used for the shipping of solid, liquid, or gaseous materials. [Description] The container may be either closed on all sides or open on the top or along a side. With minor modifications, if needed, shipping containers may be used for non-traditional purposes including, for example: emergency shelter, housing, retail activities, warehousing and secure space.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AM011	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AM011						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Accommodation Emergency Shelter Machinery Repair Railway Transport Warehousing and Storage			Administration General Repair Market Road Freight Transport Waste Treatment and Disposal			Agriculture Guard No Information Transport Water Transport Cargo Handling Imprisonment Other <i>Transportation Support</i>
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
U.S. Joint Forces Command (USJFCOM)						U.S. Northern Command (USNORTHCOM)
U.S. National Oceanic and Atmospheric Administration						U.S. Strategic Command (USSTRATCOM)
Mapping and Charting Establishment (Canada)						
Military Geography Division (Poland)						
National Army Topographic Service (Moldova)						
Topographic Institute (Slovakia)						
U.S. Army						
U.S. Coast Guard						
U.S. Department of State						
U.S. Joint Forces Command (USJFCOM)						
U.S. National Oceanic and Atmospheric Administration						
U.S. Northern Command (USNORTHCOM)						
U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.

allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Shipping Container Type	1	No Information	Enumeration	Unitless	0	The type of a shipping container based on its structural characteristics and/or intended use.
allowed values: Deliverable Container Other			Dumpster Roll-off Dumpster			ISO Container Tank Container No Information
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.
allowed values: False			No Information			True
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
allowed values: Aluminum Metal Reinforced Concrete			Concrete No Information Steel			Iron Other Treated Timber Masonry Prestressed Concrete Wood
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: ShippingContainer (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 ShippingContainer (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 ShippingContainer (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 ShippingContainer (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 ShippingContainer (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 ShippingContainer (Area 00) - is a member of group - Exactly one - StorageSrf (FeatureGroup 00)

Feature ShippingContainer (Point 00)

New ☐ Shipping Container

A moveable container used for the shipping of solid, liquid, or gaseous materials. [Description] The container may be either closed on all sides or open on the top or along a side. With minor modifications, if needed, shipping containers may be used for non-traditional purposes including, for example: emergency shelter, housing, retail activities, warehousing and secure space.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.

	<i>allowed values:</i> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational		Operational
New	Feature Code	1	AM011	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AM011						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Accommodation Emergency Shelter Machinery Repair Railway Transport Warehousing and Storage			Administration General Repair Market Road Freight Transport Waste Treatment and Disposal		Agriculture Guard No Information Transport Water Transport	Cargo Handling Imprisonment Other Transportation Support
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999						
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999						
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information		True	
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<i>allowed values:</i> U						

Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:		Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:		No Information						
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:		No Information						
Shipping Container Type		1	No Information	Enumeration	Unitless	0	The type of a shipping container based on its structural characteristics and/or intended use.	
allowed values:		Deliverable Container Other		Dumpster Roll-off Dumpster	ISO Container Tank Container		No Information	
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:		No Information						
Supported		1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.	
allowed values:		False		No Information		True		
Unique Entity Identifier		1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values:		No Information						
Vertical Construction Material		3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).	
allowed values:		Aluminum Metal Reinforced Concrete		Concrete No Information Steel	Iron Other Treated Timber		Masonry Prestressed Concrete Wood	

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: ShippingContainer (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 ShippingContainer (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 ShippingContainer (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 ShippingContainer (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 ShippingContainer (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 ShippingContainer (Point 00) - is a member of group - Exactly one - StoragePnt (FeatureGroup 00)

Feature Shipyard (Area 00)

New ☐ Shipyard

A large enclosed area adjoining the sea or a major river, including facilities in which ships are built or repaired.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BB241	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BB241						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Defence Activities Fabricated Metal Product Repair Other			Electrical Equipment Manufacture Machinery Manufacture Ship Construction			Electrical Equipment Repair Machinery Repair Ship Repair Fabricated Metal Product Manufacture No Information Warehousing and Storage
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.

allowed values: -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).
allowed values: Army Navy Coastguard No Information Joint Other Marines						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values: False No Information True						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
allowed values: Damaged No Information Unmaintained Destroyed Ruined Dismantled Site Preparation Intact Under Construction						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values: Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.

<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Shipyards (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Shipyards (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Shipyards (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Shipyards (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Shipyards (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Shipyards (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Shipyards (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Shipyards (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Shipyards (Area 00) - is a member of group - Exactly one - PortHarbourSrf (FeatureGroup 00)

Feature Shipyards (Point 00)New ☐ Shipyards**A large enclosed area adjoining the sea or a major river, including facilities in which ships are built or repaired.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State		Joint Military and Civilian Other Military Private	
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned		Not in Operation Temporarily Non-operational <i>Operational</i>	
New Feature Code	1	BB241	CONSTRAINED_STRING	Unitless	5	Feature Code

<i>allowed values:</i> BB241						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Defence Activities Fabricated Metal Product Repair Other						
			Electrical Equipment Manufacture Machinery Manufacture Ship Construction	Electrical Equipment Repair Machinery Repair Ship Repair		Fabricated Metal Product Manufacture No Information Warehousing and Storage
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).
<i>allowed values:</i> Army Navy			Coastguard No Information	Joint Other		Marines
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined	Dismantled Site Preparation		Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Shipyard (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Shipyard (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Shipyard (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Shipyard (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Shipyard (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Shipyard (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Shipyard (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Shipyard (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Shipyard (Point 00) - is a member of group - Exactly one - PortHarbourPnt (FeatureGroup 00)

Feature ShoppingComplex (Area 00)

New ☐ Shopping Complex

A commercial facility tenanted by multiple retail stores (for example: household goods, clothing, or books), restaurants (for example: a food court), entertainment venues (for example: a movie theatre or electronic games arcade), and/or other businesses (for example: professional services), that is completely enclosed, climate controlled, has a common public arcade (for example: furnished with decorative plantings, benches, and/or fountains) and a common vehicle parking area (for example: a parking lot or parking garage). [Description] When the commercial entrances open onto the interior of the complex (public access being by means of central entries and broad corridors) it may consist of multiple levels connected by escalators and is often termed a 'shopping mall'. When the commercial entrances open towards the exterior of the complex and access to individual commercial entrances is directly from an adjacent vehicle parking area it consists of a single level and is often termed a 'shopping centre' or 'shopping plaza'.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AG030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AG030						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i>			Accommodation Amusement Beauty Treatment Community Centre Electrical Equipment Repair Emergency Shelter Fitness Centre Government Laundry Meeting Place Museum Other Photography Professional, Scientific and Technical Restaurant Retail Service Specialized Store Theatre	Accounting Aquarium Business and Personal Support Services Convenience Store Electronic Equipment Repair Emergency Youth Shelter Food Service Grocery Law Enforcement Military Recruitment Night Club Petrol Sale Place of Worship Public Health Activities Restroom Retail Telecommunications Sports, Amusement and Recreation Travel Agency	Adult Entertainment Banquet Hall Cinema Cultural, Arts and Entertainment Emergency Operations Employment Agency Gambling Human Health Activities Legal Activities Motor Vehicle Parking No Information Pet-shop Postal Activities Real Estate Activities Retail Banking Security Services Station Urgent Medical Care	Advertising Bar Commerce Day Care Emergency Relief Services Financial Services General Repair Insurance Market Motor Vehicle Rental Non-specialized Store Pharmacy Print Publishing Recreation Retail Sale Social Work Telecommunications Vocational Education
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
U.S. Northern Command (USNORTHCOM)						
U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.

allowed values: No Information

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
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allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: ShoppingComplex (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 ShoppingComplex (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 ShoppingComplex (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 ShoppingComplex (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 ShoppingComplex (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 ShoppingComplex (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 ShoppingComplex (Area 00) - is a member of group - Exactly one - FacilitySrf (FeatureGroup 00)

Feature Shoreline (Line 00)New ☐ Shoreline

A line drawn along the normal limit of wave action above the higher high water line as defined by the National Authority. [Description] Consideration should be given to using the (more specific) high water line based on the nature of the source data collection.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Feature Code	1	BA024	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BA024						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<u>allowed values:</u> Accurate			Approximate			Doubtful
Man-made	1	No Information	Boolean	Unitless	0	An indication that a feature is man-made.
<u>allowed values:</u> False			No Information			True
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						

Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.			
allowed values:		Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.			
allowed values:		No Information								
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.			
allowed values:		No Information								
Shoreline Type		1	No Information	Enumeration	Unitless	0	The physical characteristics of a shoreline.			
allowed values:		Building Rubble Other		Mangrove Sandy		Marshy Shingly		No Information Stony		
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.			
allowed values:		No Information								
Unique Entity Identifier		1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.			
allowed values:		No Information								
Relationships: Shoreline (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00) Shoreline (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00) Shoreline (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00) Shoreline (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00) Shoreline (Line 00) - is a member of group - Exactly one - PhysiographyCrv (FeatureGroup 00) Shoreline (Line 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00) Shoreline (Line 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)										

Feature ShorelineConstruction (Area 00)

New ☐ Shoreline Construction

An artificial structure attached to land bordering a body of water and fixed in position. [Description] It is usually fixed to the waterbody bottom (for example: a mole) but may occasionally be fixed in position (for example: attached to the shore at one end and held between pilings at the other), but floating. Shoreline constructions are normally used for berthing and/or protection.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Embankment Type	1	No Information	Enumeration	Unitless	0	The type of an embankment based on its use and/or relationship to the surrounding terrain.
<i>allowed values:</i> Fill			Levee			No Information Other
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BB081	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BB081						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Commerce Recreation			Manufacturing Residence			No Information Transportation Support Other Warehousing and Storage
Floating	1	No Information	Boolean	Unitless	0	An indication that an object is floating.
<i>allowed values:</i> False			No Information			True
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.

<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> <i>False</i> <i>No Information</i> <i>True</i>						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> <i>Damaged</i> <i>Destroyed</i> <i>Dismantled</i> <i>Intact</i> <i>No Information</i> <i>Ruined</i> <i>Site Preparation</i> <i>Under Construction</i> <i>Unmaintained</i>						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> <i>U</i>						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) <i>No Information</i> Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)						
Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) <i>Other</i> U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)						
Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)						
Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> <i>No Information</i>						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> <i>No Information</i>						
Shoreline Construction Type	1	No Information	Enumeration	Unitless	0	The type of a shoreline construction (for example: a pier, a wharf, or a quay). [Description] May be used as a means of subtyping Feature: 'Shoreline Construction'.
<i>allowed values:</i> Breakwater <i>Other</i> Recreational Pier Training Wall Groin Pier Revetment (Marine) Wharf Mole Promenade Riprap <i>No Information</i> Quay Seawall						
Solid Maritime Construction	1	No Information	Boolean	Unitless	0	An indication that a marine construction (for example: a pier, wharf, or quay) is solid, thereby blocking the free circulation of water underneath the construction. [Description] The construction may be of concrete, masonry, wood, and/or other building materials. Open pile construction is used where the benefits of protection from currents and waves is not required.

allowed values: <i>False</i>			No Information			<i>True</i>
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
allowed values:	Asphalt Masonry Prestressed Concrete Soil Wood		Boulders Metal Reinforced Concrete Steel		Brick No Information Rock Stone	Concrete Other Rubble Treated Timber
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.
allowed values:	Always Dry Covers and Uncovers		Always Submerged No Information		Awash at Chart Datum Other	Awash at Low Water Partly Submerged
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: ShorelineConstruction (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 ShorelineConstruction (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 ShorelineConstruction (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 ShorelineConstruction (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 ShorelineConstruction (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 ShorelineConstruction (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 ShorelineConstruction (Area 00) - is a member of configuration level - Exactly one - TDSLLocal (Feature 00)
 ShorelineConstruction (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 ShorelineConstruction (Area 00) - is a member of group - Exactly one - PortHarbourSrf (FeatureGroup 00)

Feature ShorelineConstruction (Line 00)

New ☐ Shoreline Construction

An artificial structure attached to land bordering a body of water and fixed in position. [Description] It is usually fixed to the waterbody bottom (for example: a mole) but may occasionally be fixed in position (for example: attached to the shore at one end and held between pilings at the other), but floating. Shoreline constructions are normally used for berthing and/or protection.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
allowed values:	Civilian National Public		International No Information State		Joint Military and Civilian Other	Military Private

Embankment Type	1	No Information	Enumeration	Unitless	0	The type of an embankment based on its use and/or relationship to the surrounding terrain.
<u>allowed values:</u>	Fill		Levee		No Information Other	
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u>	No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational Operational	
New Feature Code	1	BB081	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u>	BB081					
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<u>allowed values:</u>	Commerce Recreation		Manufacturing Residence		No Information Transportation Support Other Warehousing and Storage	
Floating	1	No Information	Boolean	Unitless	0	An indication that an object is floating.
<u>allowed values:</u>	False		No Information		True	
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u>	No Information					
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u>	-999999					
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u>	-999999					
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u>	-999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u>	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u>	False		No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u>	Damaged No Information Unmaintained		Destroyed Ruined		Dismantled Site Preparation Intact Under Construction	

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Shoreline Construction Type	1	No Information	Enumeration	Unitless	0	The type of a shoreline construction (for example: a pier, a wharf, or a quay). [Description] May be used as a means of subtyping Feature: 'Shoreline Construction'.
allowed values:						
Breakwater			Groin			Mole
Other			Pier			Promenade
Recreational Pier			Revetment (Marine)			Riprap
Training Wall			Wharf			No Information
						Quay
						Seawall
Solid Maritime Construction	1	No Information	Boolean	Unitless	0	An indication that a marine construction (for example: a pier, wharf, or quay) is solid, thereby blocking the free circulation of water underneath the construction. [Description] The construction may be of concrete, masonry, wood, and/or other building materials. Open pile construction is used where the benefits of protection from currents and waves is not required.
allowed values: False			No Information			True
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
allowed values:						
Asphalt			Boulders			Brick
Masonry			Metal			No Information
Prestressed Concrete			Reinforced Concrete			Concrete
Soil			Steel			Other
Wood						Rubble
						Treated Timber

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.
<i>allowed values:</i> Always Dry Covers and Uncovers Always Submerged No Information Awash at Chart Datum Other Awash at Low Water Partly Submerged						

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: ShorelineConstruction (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 ShorelineConstruction (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 ShorelineConstruction (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 ShorelineConstruction (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 ShorelineConstruction (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 ShorelineConstruction (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 ShorelineConstruction (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 ShorelineConstruction (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 ShorelineConstruction (Line 00) - is a member of group - Exactly one - PortHarbourCrv (FeatureGroup 00)

Feature ShorelineRamp (Area 00)

New ☐ Shoreline Ramp

A ramp-like structure on a shoreline that is intended to facilitate the movement of vessels and/or materials (for example: logs) into or out of the water.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational						
New Feature Code	1	BB082	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BB082						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i>	-999999					
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i>	-999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i>	No Information					
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i>	Damaged No Information Unmaintained					
	Destroyed Ruined					
	Dismantled Site Preparation					
	Intact Under Construction					
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i>	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)					
	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)					
	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)					
	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i>	No Information					

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Shoreline Ramp Type	1	No Information	Enumeration	Unitless	0	The type of a shoreline ramp based on its design and intended use. [Description] May be used as a means of subtyping Feature: 'Shoreline Ramp'.
<i>allowed values:</i> Log Ramp Slipway			Marine Ramp			No Information Other
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Asphalt Gravel Sand			Brick Masonry Soil			Composition No Information Concrete Other
Surface Slope	1	[-999999, -999999]	REAL_Interval	Percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.
<i>allowed values:</i> Always Dry Covers and Uncovers			Always Submerged No Information			Awash at Chart Datum Other Awash at Low Water Partly Submerged
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						

Relationships: ShorelineRamp (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
ShorelineRamp (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
ShorelineRamp (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
ShorelineRamp (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
ShorelineRamp (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
ShorelineRamp (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
ShorelineRamp (Area 00) - is a member of group - Exactly one - PortHarbourSrf (FeatureGroup 00)
ShorelineRamp (Area 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature ShorelineRamp (Line 00)

New ☐ Shoreline Ramp

A ramp-like structure on a shoreline that is intended to facilitate the movement of vessels and/or materials (for example: logs) into or out of the water.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	BB082	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BB082						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	No Information						
Shoreline Ramp Type	1	No Information	Enumeration	Unitless	0	The type of a shoreline ramp based on its design and intended use.	[Description] May be used as a means of subtyping Feature: 'Shoreline Ramp'.
allowed values:	Log Ramp Slipway		Marine Ramp			No Information	Other
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:	No Information						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.	
allowed values:	Asphalt Gravel Sand		Brick Masonry Soil			Composition No Information	Concrete Other
Surface Slope	1	[-999999, -999999]	REAL_Interval	Percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.	
allowed values:	[-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval		Closed Interval Greater-than-or-equal to Less-than Interval	Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval			
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values:	No Information						
Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.	

allowed values: Always Dry Covers and Uncovers		Always Submerged No Information		Awash at Chart Datum Other		Awash at Low Water Partly Submerged	
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	

allowed values: -999999

Relationships: ShorelineRamp (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 ShorelineRamp (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 ShorelineRamp (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 ShorelineRamp (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 ShorelineRamp (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 ShorelineRamp (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 ShorelineRamp (Line 00) - is a member of group - Exactly one - PortHarbourCrv (FeatureGroup 00)
 ShorelineRamp (Line 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature Sidewalk (Line 00)New ☐ Sidewalk**A paved or improved pedestrian path, typically located adjacent and parallel to a street or road.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
allowed values: False			No Information			True
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ035	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: AQ035						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
allowed values: Commerce Other			Institution Recreation			Manufacturing Residence No Information
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values: No Information						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
allowed values: -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information True						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged Destroyed Dismantled Intact No Information Ruined Site Preparation Under Construction Unmaintained						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Army Geographic Centre (Spain) Army Geographic Institute (Portugal) Bundeswehr Geoinformation Office (Germany) Defence Acquisition and Logistics Organization (Denmark) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Defence Imagery and Geospatial Organisation (Australia) Defense Information Security (Italy) General Command of Mapping (Turkey) Geographic Service (Belgium) Geographic Service of the Czech Armed Forces (Czech Republic) Geospatial Information Agency (Latvia) Geospatial Intelligence Organisation (New Zealand) Hellenic Military Geographic Service (Greece) Joint Geography Bureau (France) Mapping and Charting Establishment (Canada) Mapping Service (Hungary) Military Geographic Group (Estonia) Military Geographic Service (Norway) Military Geography Division (Poland) Military Mapping Centre (Lithuania) Military Topographic Directorate (Romania) Military Topographic Service (Bulgaria) National Army Topographic Service (Moldova) No Information Other Swedish Armed Forces (Sweden) Topographic Institute (Slovakia) Topographic Service (Finland) U.S. Africa Command (USAFRICOM) U.S. Air Force U.S. Army U.S. Army Geospatial Center (AGC) U.S. Central Command (USCENTCOM) U.S. Central Intelligence Agency (CIA) U.S. Coast Guard U.S. Defense Intelligence Agency (DIA) U.S. Department of Energy (DOE) U.S. Department of Homeland Security (DHS) U.S. Department of State U.S. European Command (USEUCOM) U.S. Federal Bureau of Investigation (FBI) U.S. Geological Survey (USGS) U.S. Joint Forces Command (USJFCOM) U.S. Marine Corps U.S. National Civil Applications Program (NCAP) U.S. National Geospatial-Intelligence Agency (NGA) U.S. National Oceanic and Atmospheric Administration U.S. National Reconnaissance Office (NRO) U.S. National Security Agency (NSA) U.S. Navy U.S. Northern Command (USNORTHCOM) U.S. Pacific Command (PACOM) U.S. Southern Command (USSOUTHCOM) U.S. Special Operations Command (USSOCOM) U.S. Strategic Command (USSTRATCOM) U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Route Pavement Information : Road Weather Restriction	1	No Information	Enumeration	Unitless	0	The type of weather conditions under which a road is usable.
<i>allowed values:</i> All-weather Closed in Winter Fair-weather Limited All-weather No Information Other Winter Only						

Route Pavement Information : Route Minimum Travelled Way Width	1	-999999	REAL	Metre	0	The minimum width of the travelled way of a route. [Description] Excludes pavements and shoulders.																				
<i>allowed values:</i> -999999																										
Route Pavement Information : Route Surface Composition	1	No Information	Enumeration	Unitless	0	The composition(s) of a durable surface (for example: a pavement) intended to sustain ground traffic (for example: vehicular traffic or foot traffic). [Description] Depending on the traffic situation (for example: on a floor, in a courtyard, or on a road) different compositions may be used, however in general such surfaces are composed of pieces of a hard material fitted closely together (for example: cobble-stone or brick) or of an undivided hard layer (for example: concrete) so as to give a compact, uniform, and smooth surface.																				
<i>allowed values:</i> <table><tr><td>Aggregate</td><td>Asphalt</td><td>Asphalt over Concrete</td><td>Bound Surface</td></tr><tr><td>Brick</td><td>Cobble-stone</td><td>Concrete</td><td>Corduroy</td></tr><tr><td>Flexible Pavement</td><td>Ice</td><td>Macadam</td><td>Metal</td></tr><tr><td>No Information</td><td>Other</td><td>Rigid Pavement</td><td>Snow</td></tr><tr><td>Stabilized Earth</td><td>Unimproved</td><td>Wood</td><td>Wood Plank</td></tr></table>							Aggregate	Asphalt	Asphalt over Concrete	Bound Surface	Brick	Cobble-stone	Concrete	Corduroy	Flexible Pavement	Ice	Macadam	Metal	No Information	Other	Rigid Pavement	Snow	Stabilized Earth	Unimproved	Wood	Wood Plank
Aggregate	Asphalt	Asphalt over Concrete	Bound Surface																							
Brick	Cobble-stone	Concrete	Corduroy																							
Flexible Pavement	Ice	Macadam	Metal																							
No Information	Other	Rigid Pavement	Snow																							
Stabilized Earth	Unimproved	Wood	Wood Plank																							
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.																				
<i>allowed values:</i> No Information																										
Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.																				
<i>allowed values:</i> False <table><tr><td>No Information</td><td>True</td></tr></table>							No Information	True																		
No Information	True																									
Surface Slope	1	[-999999, -999999]	REAL_Interval	Percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.																				
<i>allowed values:</i> [-999999, -999999] <table><tr><td>Greater-than to Less-than-or-equal Interval</td><td>Closed Interval</td><td>Greater-than or Equal Semi-interval</td><td>Greater-than Semi-interval</td></tr><tr><td>Open Interval</td><td>Greater-than-or-equal to Less-than Interval</td><td>Less-than or Equal Semi-interval</td><td>Less-than Semi-interval</td></tr></table>							Greater-than to Less-than-or-equal Interval	Closed Interval	Greater-than or Equal Semi-interval	Greater-than Semi-interval	Open Interval	Greater-than-or-equal to Less-than Interval	Less-than or Equal Semi-interval	Less-than Semi-interval												
Greater-than to Less-than-or-equal Interval	Closed Interval	Greater-than or Equal Semi-interval	Greater-than Semi-interval																							
Open Interval	Greater-than-or-equal to Less-than Interval	Less-than or Equal Semi-interval	Less-than Semi-interval																							
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.																				
<i>allowed values:</i> No Information																										
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.																				

allowed values: -999999

Relationships: Sidewalk (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Sidewalk (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Sidewalk (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Sidewalk (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Sidewalk (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Sidewalk (Line 00) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup 00)

Feature SkiJump (Line 00)New ☐ Ski-jump**A man-made structure consisting of a steep ramp levelling off at the end and built on a natural slope, used in ski-jumping.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
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	Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
	<i>allowed values:</i> <i>False</i>			<i>No Information</i>			<i>True</i>
	Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
	<i>allowed values:</i> <i>-999999</i>						
	Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
	<i>allowed values:</i> <i>No Information</i> <i>Partially Operational</i>			<i>Non-operational</i> <i>Planned</i>			<i>Not in Operation</i> <i>Temporarily Non-operational</i> <i>Operational</i>
New	Feature Code	1	AK150	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> <i>AK150</i>						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> <i>No Information</i>						
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> <i>-999999</i>						
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> <i>-999999</i>						
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> <i>-999999</i>						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> <i>No Information</i>						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> <i>No Information</i>						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> <i>False</i>			<i>No Information</i>			<i>True</i>
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<i>allowed values:</i> <i>Damaged</i> <i>No Information</i> <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>			<i>Dismantled</i> <i>Site Preparation</i> <i>Intact</i> <i>Under Construction</i>
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<i>allowed values:</i> <i>U</i>						

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: SkiJump (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SkiJump (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SkiJump (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SkiJump (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SkiJump (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 SkiJump (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 SkiJump (Line 00) - is a member of group - Exactly one - RecreationCrv (FeatureGroup 00)

Feature SkiJump (Point 00)

 New ☐ Ski-jump

A man-made structure consisting of a steep ramp levelling off at the end and built on a natural slope, used in ski-jumping.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information			Non-operational			Not in Operation
<i>Partially Operational</i>			Planned			Temporarily Non-operational
New Feature Code	1	AK150	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK150						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>			Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)
						Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)
						Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
<i>allowed values:</i> No Information						

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: SkiJump (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SkiJump (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SkiJump (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SkiJump (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SkiJump (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 SkiJump (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 SkiJump (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 SkiJump (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 SkiJump (Point 00) - is a member of group - Exactly one - RecreationPnt (FeatureGroup 00)

Feature SkiRun (Area 00)

New ☐ Ski-run

A slope or trail prepared for skiing.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AK155	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK155						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: SkiRun (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SkiRun (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SkiRun (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SkiRun (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SkiRun (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 SkiRun (Area 00) - is a member of group - Exactly one - RecreationSrf (FeatureGroup 00)

Feature SkiRun (Line 00)

New ☐ Ski-run

A slope or trail prepared for skiing.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AK155	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AK155						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u>	-999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u>	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u>	False					No Information
New Physical Condition	1	No Information	Enumeration	Unitless		True
<u>allowed values:</u>	Damaged					Destroyed
	No Information					Dismantled
	Unmaintained					Intact
						Site Preparation
						Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u>	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)					Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)
						Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)
						Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u>	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.

allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: SkiRun (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SkiRun (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SkiRun (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SkiRun (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SkiRun (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 SkiRun (Line 00) - is a member of group - Exactly one - RecreationCrv (FeatureGroup 00)

Feature SlopeRegion (Area 00)

New ☐ Slope Region

A region where the terrain slope is within a set range of values.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Feature Code	1	SA050	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> SA050	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	
<u>allowed values:</u> U	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	

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SlopeRegion (Area 00)

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)		
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)		
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)		
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)		
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)		
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)		
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)		
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army		
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard		
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State		
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)		
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration		
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)		
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)		
	U.S. Transportation Command (USTRANSCOM)					
	<hr/>					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
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allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
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allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values:	No Information					
Surface Slope	1	[-999999, -999999]	REAL_Interval	Percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
<hr/>						
allowed values:	[-999999, -999999]					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

Relationships: SlopeRegion (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SlopeRegion (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SlopeRegion (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SlopeRegion (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SlopeRegion (Area 00) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup 00)
 SlopeRegion (Area 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
 SlopeRegion (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 SlopeRegion (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature SluiceGate (Line 00)

New ☐ Sluice Gate

A gate used to regulate the flow or level of water in a watercourse (for example: stream, irrigation ditch, or sluice). [Description] Sluice gates are normally installed in a superstructure and/or frame and most commonly slide vertically to open but on occasion may instead slide horizontally. When opened they allow water to flow under or beside the gate. Commonly sluice gates will be installed perpendicular to the orientation of the flow of water within a watercourse and will be constructed as wide as the watercourse they regulate. Sluice gates may also be installed along the margins of watercourses for the purpose of controlling or permitting the flow of water to or from that watercourse into adjacent watercourses. Sluice gates may be used to regulate both tidal or non-tidal waters.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	BI040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BI040						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
allowed values:	Concrete Prestressed Concrete Wood		Metal Reinforced Concrete			No Information Steel Other Treated Timber
Thickness	1	-999999	REAL	Metre	0	The distance between the two opposite surfaces of an object, usually the distance of smallest measure. [Description] The third dimension of an object, distinct from length and width (breadth).
allowed values:	-999999					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: **No Information**

Relationships: SluiceGate (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SluiceGate (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SluiceGate (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SluiceGate (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SluiceGate (Line 00) - is a member of configuration level - Exactly one - TDSLlocal (Feature 00)
 SluiceGate (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 SluiceGate (Line 00) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup 00)

Feature SluiceGate (Point 00)

New ☐ Sluice Gate

A gate used to regulate the flow or level of water in a watercourse (for example: stream, irrigation ditch, or sluice). [Description] Sluice gates are normally installed in a superstructure and/or frame and most commonly slide vertically to open but on occasion may instead slide horizontally. When opened they allow water to flow under or beside the gate. Commonly sluice gates will be installed perpendicular to the orientation of the flow of water within a watercourse and will be constructed as wide as the watercourse they regulate. Sluice gates may also be installed along the margins of watercourses for the purpose of controlling or permitting the flow of water to or from that watercourse into adjacent watercourses. Sluice gates may be used to regulate both tidal or non-tidal waters.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	BI040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BI040						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
allowed values:						
Concrete			Metal			No Information
Prestressed Concrete			Reinforced Concrete			Other
Wood						Steel
						Treated Timber
Thickness	1	-999999	REAL	Metre	0	The distance between the two opposite surfaces of an object, usually the distance of smallest measure. [Description] The third dimension of an object, distinct from length and width (breadth).
allowed values: -999999						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: SluiceGate (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SluiceGate (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SluiceGate (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SluiceGate (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SluiceGate (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 SluiceGate (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 SluiceGate (Point 00) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup 00)
 SluiceGate (Point 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 SluiceGate (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature SmallCraftFacility (Area 00)

New ☐ Small Craft Facility

A place at which a service generally of interest to small craft or pleasure boats is available.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BB201	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BB201						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Accommodation Food Service Other Retail Telecommunications			Convenience Store Maritime Defense Petrol Sale Ship Repair			Emergency Operations Meeting Place Restaurant Emergency Relief Services No Information Restroom
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>			Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

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

Relationships: SmallCraftFacility (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SmallCraftFacility (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SmallCraftFacility (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SmallCraftFacility (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SmallCraftFacility (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 SmallCraftFacility (Area 00) - is a member of group - Exactly one - PortHarbourSrf (FeatureGroup 00)

Feature SmallCraftFacility (Point 00)New ☐ Small Craft Facility**A place at which a service generally of interest to small craft or pleasure boats is available.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<u>allowed values:</u>	No Information					
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u>	-999999					
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u>	Civilian		International			Joint Military and Civilian
	National		No Information			Other
	Public		State			Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u>	No Information		Non-operational			Not in Operation
	Partially Operational		Planned			Temporarily Non-operational
New Feature Code	1	BB201	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u>	BB201					
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<u>allowed values:</u>	Accommodation		Convenience Store			Emergency Operations
	Food Service		Maritime Defense			Meeting Place
	Other		Petrol Sale			No Information
	Retail Telecommunications		Ship Repair			Restroom
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u>	No Information					

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					
Wireless Telecommunication Information : Wireless Telecommunication Type	1	No Information	Enumeration	Unitless	0	The type of a wireless telecommunication service based on the mechanism(s) of transmission and/or the nature of the communication(s) supported. [Description] For example, radio broadcast or mobile phone service.
allowed values:	Cellular Phone Other Television (TV)		Microwave Radio Relay Radio Broadcast		Mobile Phone Radio Telephone	No Information Radio-telegraph

Relationships: SmallCraftFacility (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SmallCraftFacility (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SmallCraftFacility (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SmallCraftFacility (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SmallCraftFacility (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 SmallCraftFacility (Point 00) - is a member of group - Exactly one - PortHarbourPnt (FeatureGroup 00)

Feature Smokestack (Point 00)New ☐ Smokestack

A vertical structure containing a passage or flue for discharging smoke and gases of combustion.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> <i>False</i>			<i>No Information</i>			<i>True</i>
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> <i>-999999</i>						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> <i>No Information</i> <i>Partially Operational</i>			<i>Non-operational</i> <i>Planned</i>			<i>Not in Operation</i> <i>Temporarily Non-operational</i> <i>Operational</i>
New Feature Code	1	AF010	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> <i>AF010</i>						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> <i>No Information</i>						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> <i>-999999</i>						
Height of Object	1	-999999	REAL	Metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> <i>-999999</i>						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> <i>-999999</i>						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> <i>-999999</i>						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> <i>No Information</i>						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>			Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)
						Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)
						Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
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<u>allowed values:</u> Brick Metal Reinforced Concrete	Concrete No Information Steel	Iron Other	Masonry Prestressed Concrete
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Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Smokestack (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Smokestack (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Smokestack (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Smokestack (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Smokestack (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Smokestack (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Smokestack (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Smokestack (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Smokestack (Point 00) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup 00)

Feature Snag (Point 00)New ☐ Snag**A tree, branch or broken pile embedded in the ocean floor, river or lake bottom and may not be visible on the surface, forming thereby a hazard to vessels.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999

New Feature Code	1	BD140	CONSTRAINED_STRING	Unitless	5	Feature Code
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allowed values: BD140

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

Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
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allowed values: -999999

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999

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

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

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
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allowed values: U

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
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allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
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Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
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allowed values: No Information

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
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allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Snag (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Snag (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Snag (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Snag (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Snag (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Snag (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Snag (Point 00) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup 00)

Feature SnowIceField (Area 00)New ☐ Snow Field and/or Ice-field**A large area permanently covered by snow and/or ice. [Description] May cover land and/or water.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	BJ100	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BJ100						
Frozen Cover Type	1	No Information	Enumeration	Unitless	0	The type of a covering of snow and/or ice based on its composition and structure.
<u>allowed values:</u> Ice-field No Information Snowfield						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) <i>No Information</i> Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) <i>Other</i> U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	<i>No Information</i>						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	<i>No Information</i>						
Soil Depth	1	[-999999, -999999]	REAL_Interval	Metre	0	The depth of the soil or unconsolidated surface material. [Description] The soil layer ranges from the top of the organic horizon 'O' to the bottom of the substratum 'C'.	
allowed values:	[-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval		Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval	Greater-than Semi-interval Less-than Semi-interval
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:	<i>No Information</i>						
Terrain Morphology	1	No Information	Enumeration	Unitless	0	The type of terrain morphology based on composition and/or configuration. [Description] Terrain morphology influences military operations such as mobility prediction, mining of construction materials, and identification of potential landing sites.	
allowed values:	Deep Erosional Gullies Landslide Potential <i>No Information</i> Numerous Rock Outcrops Scattered Boulders		Highly Dissected Moderately Dissected Numerous Boulders Numerous Terraces Steep Rugged Dissected with narrow Gullies			Highly Distorted with sharp Rocky Ridges Moderately Dissected with scattered Rock Outcrops Numerous Cobbles and Boulders <i>Other</i> Stony Areas	Irregular with deep Foliation Fractures No Effect Numerous Crevasses Rugged with numerous Rock Outcrops
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values:	<i>No Information</i>						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	

allowed values: -999999

Relationships: SnowIceField (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SnowIceField (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SnowIceField (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SnowIceField (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SnowIceField (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 SnowIceField (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 SnowIceField (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 SnowIceField (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 SnowIceField (Area 00) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup 00)

Feature SoilSurfaceRegion (Area 00)New ☐ Soil Surface Region**A region of the land that is homogeneous with respect to a soil characteristic.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	DA010	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> DA010						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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SoilSurfaceRegion (Area 00)

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)		
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)		
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)		
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)		
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)		
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)		
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)		
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army		
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard		
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State		
U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)			
U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration			
U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)			
U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)			
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)						
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)						
allowed values:	No Information					
Soil Depth	1	[-999999, -999999]	REAL_Interval	Metre	0	The depth of the soil or unconsolidated surface material. [Description] The soil layer ranges from the top of the organic horizon 'O' to the bottom of the substratum 'C'.
allowed values:	[-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval		Closed Interval Greater-than-or-equal to Less-than Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval	
Soil Type						
allowed values:	CH: Fat Clay GM: Silty Gravel Sand ML: Silt and Fine Sand OH: Organic Clay SC: Clayey Sand	CL: Lean Clay GP: Poorly-graded Gravel ML-CL: Silt, Fine Sand and Lean Clay OL: Organic Silt and Clay SM: Silty Sand	Evaporite GW: Well-graded Gravel No Information Other SP: Poorly-graded Sand	GC: Clayey Gravel MH: Micaceous Not Evaluated PT: Peat SW: Well-graded Sand		
Soil Wetness Condition						
allowed values:	No Information Normally Wet	Normally Dry	Normally Frozen	Normally Moist		
Specified Domain Values(s)						
allowed values:	No Information					
Terrain Morphology						

allowed values:	Boulder Field	Deep Erosional Gullies	Dissected Floodplain	Frost Polygons		
	Highly Dissected	Highly Distorted with sharp Rocky Ridges	Highly Fractured Rock	Hummocky Karst with Large Hills		
	Hummocky Karst with Low Mounds	Hummocky with Frost Heaves	Irregular with deep Foliation Fractures	Karst with numerous Sinkholes		
	Karst with numerous Sinkholes and Solution Valleys	Landslide Potential	Meander Scars and Lakes	Mine Tailing(s)		
	Moderately Dissected	Moderately Dissected with scattered Rock Outcrops	No Effect	No Information		
	Numerous Boulders	Numerous Cobbles and Boulders	Numerous Crevasses	Numerous Dyked Fields		
	Numerous Dykes	Numerous Fences	Numerous Hedgerows	Numerous Man-made Drainage		
	Numerous Rock Outcrops	Numerous Small Lakes and Ponds	Numerous Stone Walls	Numerous Terraced Fields		
	Numerous Terraces	Other	Parallel Earthen Rows	Playa		
	Rugged Bedrock	Rugged with numerous Rock Outcrops	Scattered Boulders	Solifluction Lobes and Frost Scars		
	Steep Rugged Dissected with narrow Gullies	Stony Areas	Stony Soil with numerous Boulders	Stony Soil with numerous Gullies		
	Stony Soil with numerous Rock Outcrops	Stony Soil with scattered Boulders	Stony Soil with Surface Rock	Talus		
	Unweathered Lava	Weathered Lava				
Terrain Surface Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the surface layer of the terrain.
allowed values:	Asphalt	Bedrock	Boulders	Concrete		
	Evaporite	Frozen Water	Gravel	Lava Flow		
	Loess	Mud	No Information	Other		
	Paved	Rock	Sand	Soil		
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: [No Information](#)

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: [-999999](#)

Relationships: SoilSurfaceRegion (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SoilSurfaceRegion (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SoilSurfaceRegion (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SoilSurfaceRegion (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SoilSurfaceRegion (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 SoilSurfaceRegion (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 SoilSurfaceRegion (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 SoilSurfaceRegion (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 SoilSurfaceRegion (Area 00) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup 00)

Feature SolarFarm (Area 00)New ☐ Solar Farm

An extensive collection of solar panels that are collocated and serve a common purpose (for example: the generation of electricity or the generation of heating steam and/or water). [Description] The collection is often organized as an array covering many hundreds of square metres in area and it may be controlled so as to track the direction of the sun throughout the day.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
allowed values:	No Information					
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: [-999999](#)

Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AD025	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AD025						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Electric Power			Heating Steam and/or Water			No Information Other
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
allowed values:	Aluminum Metal Wood		Brick No Information			Fibreglass Other Iron Steel
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: SolarFarm (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SolarFarm (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SolarFarm (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SolarFarm (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SolarFarm (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 SolarFarm (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 SolarFarm (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 SolarFarm (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 SolarFarm (Area 00) - is a member of group - Exactly one - UtilityInfrastructureSrf (FeatureGroup 00)

Feature SolarFarm (Point 00)New ☐ Solar Farm

An extensive collection of solar panels that are collocated and serve a common purpose (for example: the generation of electricity or the generation of heating steam and/or water). [Description] The collection is often organized as an array covering many hundreds of square metres in area and it may be controlled so as to track the direction of the sun throughout the day.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AD025	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AD025						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Electric Power			Heating Steam and/or Water			No Information Other
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>			Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum Metal Wood						
Brick No Information						
Fibreglass Other						
Iron Steel						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: SolarFarm (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SolarFarm (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SolarFarm (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SolarFarm (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SolarFarm (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 SolarFarm (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 SolarFarm (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 SolarFarm (Point 00) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup 00)
 SolarFarm (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature SolarPanel (Area 00)New ☐ Solar Panel**A panel designed to absorb the sun's rays for the purpose of generating electricity or heat.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational						
Non-operational Planned						
Not in Operation Temporarily Non-operational						
Operational						
New Feature Code	1	AD020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AD020						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Electric Power			Heating Steam and/or Water		No Information	Other
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
						Bundeswehr Geoinformation Office (Germany)
						Defense Information Security (Italy)
						Geospatial Information Agency (Latvia)
						Mapping and Charting Establishment (Canada)
						Military Geography Division (Poland)
						National Army Topographic Service (Moldova)
						Topographic Institute (Slovakia)
						U.S. Army
						U.S. Coast Guard
						U.S. Department of State
						U.S. Joint Forces Command (USJFCOM)
						U.S. National Oceanic and Atmospheric Administration
						U.S. Northern Command (USNORTHCOM)
						U.S. Strategic Command (USSTRATCOM)

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: SolarPanel (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SolarPanel (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SolarPanel (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SolarPanel (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SolarPanel (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 SolarPanel (Area 00) - is a member of group - Exactly one - UtilityInfrastructureSrf (FeatureGroup 00)

Feature SolarPanel (Point 00)

New ☐ Solar Panel

A panel designed to absorb the sun's rays for the purpose of generating electricity or heat.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AD020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AD020						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Electric Power			Heating Steam and/or Water		No Information	Other
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: SolarPanel (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SolarPanel (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SolarPanel (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SolarPanel (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SolarPanel (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 SolarPanel (Point 00) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup 00)
 SolarPanel (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)

Feature Sounding (Point 00)

New ☐ Sounding

A spot depth or drying height that has been referenced to a vertical datum.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Feature Code	1	BE020	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BE020						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<u>allowed values:</u> Accurate Approximate Doubtful No Information						
Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<u>allowed values:</u> -999999						
Hydrographic Drying Height	1	-999999	Real	Metre		The height of the feature, which tidal waters cover and uncover, referenced to a specified sounding datum.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u> Army Geographic Agency (Netherlands) Army Geographic Centre (Spain) Army Geographic Institute (Portugal) Bundeswehr Geoinformation Office (Germany) Defence Acquisition and Logistics Organization (Denmark) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Defence Imagery and Geospatial Organisation (Australia) Defense Information Security (Italy) General Command of Mapping (Turkey) Geographic Service (Belgium) Geographic Service of the Czech Armed Forces (Czech Republic) Geospatial Information Agency (Latvia) Geospatial Intelligence Organisation (New Zealand) Hellenic Military Geographic Service (Greece) Joint Geography Bureau (France) Mapping and Charting Establishment (Canada) Mapping Service (Hungary) Military Geographic Group (Estonia) Military Geographic Service (Norway) Military Geography Division (Poland) Military Mapping Centre (Lithuania) Military Topographic Directorate (Romania) Military Topographic Service (Bulgaria) National Army Topographic Service (Moldova) No Information Swedish Armed Forces (Sweden) Topographic Institute (Slovakia) Topographic Service (Finland) U.S. Africa Command (USAFRICOM) U.S. Air Force U.S. Army U.S. Army Geospatial Center (AGC) U.S. Central Command (USCENTCOM) U.S. Central Intelligence Agency (CIA) U.S. Coast Guard U.S. Defense Intelligence Agency (DIA) U.S. Department of Energy (DOE) U.S. Department of Homeland Security (DHS) U.S. Department of State U.S. European Command (USEUCOM) U.S. Federal Bureau of Investigation (FBI) U.S. Geological Survey (USGS) U.S. Joint Forces Command (USJFCOM) U.S. Marine Corps U.S. National Civil Applications Program (NCAP) U.S. National Geospatial-Intelligence Agency (NGA) U.S. National Oceanic and Atmospheric Administration U.S. National Reconnaissance Office (NRO) U.S. National Security Agency (NSA) U.S. Navy U.S. Northern Command (USNORTHCOM) U.S. Pacific Command (PACOM) U.S. Southern Command (USSOUTHCOM) U.S. Special Operations Command (USSOCOM) U.S. Strategic Command (USSTRATCOM) U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<u>allowed values:</u> No Information						

Water Line : Sounding Datum	1	No Information	Enumeration	Unitless	0	The tidal datum to which soundings and drying heights are referenced. [Description] It is usually taken to correspond to a low water stage of the tide.
<i>allowed values:</i>	<i>Drying Heights</i> <i>Slant</i>		No Information			<i>Ordinary</i> <i>Other</i>
Hydrographic Depth : Sounding Metadata : Sounding Velocity Correction Method	1	No Information	Enumeration	Unitless		The method of correction that has been used to correct a sounding velocity instrument reading to obtain the correct depth.
<i>allowed values:</i>	Mathews Tables Sound Velocity Meter		No Information Sounder 1500 Calibrated			<i>Not Applicable</i> Sounder 4800 Calibrated <i>Other</i> Sounder Other Calibrated
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i>	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: Sounding (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Sounding (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Sounding (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Sounding (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Sounding (Point 00) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup 00)
 Sounding (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 Sounding (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature SpaceFacility (Area 00)New ☐ Space Facility**A facility that is used to support space related activities (for example: services such as assembly, launching or recovery of spacecraft or managing flight operations).**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i>	No Information					
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i>	-999999					
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i>	Civilian National Public		International No Information State			Joint Military and Civilian <i>Other</i> Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i>	No Information <i>Partially Operational</i>		Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AL351	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i>	AL351					
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i>	Accommodation Electrical Equipment Repair Meeting Place		Aircraft Repair Emergency Operations No Information			Defence Activities Fabricated Metal Product Repair <i>Other</i> Dining Hall Machinery Repair Warehousing and Storage

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: SpaceFacility (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SpaceFacility (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SpaceFacility (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SpaceFacility (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SpaceFacility (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 SpaceFacility (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 SpaceFacility (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 SpaceFacility (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 SpaceFacility (Area 00) - is a member of group - Exactly one - AeronauticSrf (FeatureGroup 00)

Feature SpaceFacility (Point 00)

New ☐ Space Facility

A facility that is used to support space related activities (for example: services such as assembly, launching or recovery of spacecraft or managing flight operations).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL351	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL351						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Accommodation Electrical Equipment Repair Meeting Place			Aircraft Repair Emergency Operations No Information			Defence Activities Fabricated Metal Product Repair Other Dining Hall Machinery Repair Warehousing and Storage
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.

<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
No Information						
True						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged						
No Information						
Unmaintained						
Destroyed						
Ruined						
Dismantled						
Site Preparation						
Intact						
Under Construction						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)						
Defence Acquisition and Logistics Organization (Denmark)						
General Command of Mapping (Turkey)						
Geospatial Intelligence Organisation (New Zealand)						
Mapping Service (Hungary)						
Military Mapping Centre (Lithuania)						
No Information						
Topographic Service (Finland)						
U.S. Army Geospatial Center (AGC)						
U.S. Defense Intelligence Agency (DIA)						
U.S. European Command (USEUCOM)						
U.S. Marine Corps						
U.S. National Reconnaissance Office (NRO)						
U.S. Pacific Command (PACOM)						
U.S. Transportation Command (USTRANSCOM)						
Army Geographic Centre (Spain)						
Defence Geographic Centre Intelligence Collection Group (United Kingdom)						
Geographic Service (Belgium)						
Hellenic Military Geographic Service (Greece)						
Military Geographic Group (Estonia)						
Military Topographic Directorate (Romania)						
Other						
U.S. Africa Command (USAFRICOM)						
U.S. Central Command (USCENTCOM)						
U.S. Department of Energy (DOE)						
U.S. Federal Bureau of Investigation (FBI)						
U.S. National Civil Applications Program (NCAP)						
U.S. National Security Agency (NSA)						
U.S. Southern Command (USSOUTHCOM)						
Army Geographic Institute (Portugal)						
Defence Imagery and Geospatial Organisation (Australia)						
Geographic Service of the Czech Armed Forces (Czech Republic)						
Joint Geography Bureau (France)						
Military Geographic Service (Norway)						
Military Topographic Service (Bulgaria)						
Swedish Armed Forces (Sweden)						
U.S. Air Force						
U.S. Central Intelligence Agency (CIA)						
U.S. Department of Homeland Security (DHS)						
U.S. Geological Survey (USGS)						
U.S. National Geospatial-Intelligence Agency (NGA)						
Bundeswehr Geoinformation Office (Germany)						
Defense Information Security (Italy)						
Geospatial Information Agency (Latvia)						
Mapping and Charting Establishment (Canada)						
Military Geography Division (Poland)						
National Army Topographic Service (Moldova)						
Topographic Institute (Slovakia)						
U.S. Army						
U.S. Coast Guard						
U.S. Department of State						
U.S. Joint Forces Command (USJFCOM)						
U.S. National Oceanic and Atmospheric Administration						
U.S. Northern Command (USNORTHCOM)						
U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: SpaceFacility (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SpaceFacility (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SpaceFacility (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SpaceFacility (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SpaceFacility (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 SpaceFacility (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 SpaceFacility (Point 00) - is a member of group - Exactly one - AeronauticPnt (FeatureGroup 00)

Feature SpatialMdEntCollect (Area 00)

New ☐ Spatial Metadata Entity Collection

A resource that collects instances of one or more modeling entities that share common source(s) and processing step(s) as the basis for their digital spatial representation. [Description] The modeling entity specifies metadata regarding the type(s) of data that were used to define the digital representation of the spatial component(s) of the entity collection. In a 2-dimensional representation the spatial component(s) are expressed as the horizontal coordinate values of the entity geometry. In a 3-dimensional representation the vertical coordinate values may be determined using a separate source and process (for example: stereoscopic imagery), in which case the 'vertical source' attributes may be additionally used for greater specificity.

	Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New	Feature Code	1	ZI040	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> ZI040						
	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
	<i>allowed values:</i> No Information						
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: SpatialMdEntCollect (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
SpatialMdEntCollect (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
SpatialMdEntCollect (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
SpatialMdEntCollect (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
SpatialMdEntCollect (Area 00) - is a member of group - Exactly one - CollectionSrf (FeatureGroup 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - PipelineCrossingPoint (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - StormDrain (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - StreetLamp (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - StreetSign (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ContaminatedRegion (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ContaminatedRegion (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - AdministrativeDivision (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - AerationBasin (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - AerialFarm (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - AerialFarm (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - AquaticVegetation (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - AquaticVegetation (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - AstronomicalObservatory (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - AstronomicalObservatory (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Billboard (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Borehole (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Brush (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - MaritimeCautionArea (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ConservationArea (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - CoolingFacility (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - CoolingFacility (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - CulturalContextLocation (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - CulturalContextLocation (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Desert (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - DredgedArea (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - FeatureAttGAMetadata (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - FeatureGAMetadata (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ForestClearing (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - FuelStorageFacility (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - FuelStorageFacility (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - GeopoliticalEntity (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Grove (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Grove (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - IceCap (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - IceRoute (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - IndustrialFarm (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - IndustrialFarm (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - IndustrialFurnace (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - IndustrialFurnace (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Installation (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Installation (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - MaritimeRadiobeacon (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - MineShaftSuperstructure (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - MineShaftSuperstructure (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - MunitionStorageFacility (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - MunitionStorageFacility (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - NonBuildingStructure (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - NonBuildingStructure (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - NuclearReactorContainment (Area 00)

SpatialMdEntCollect (Area 00) - provides metadata for - One or more - NuclearReactorContainment (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - OfficePark (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - OffshoreConstruction (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - OffshoreConstruction (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Port (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Port (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - RailwaySignal (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - RetailStand (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Scoreboard (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ShoppingComplex (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ShorelineRamp (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ShorelineRamp (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SolarFarm (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SolarFarm (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SpaceFacility (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SpaceFacility (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Stable (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Stable (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - TetheredBalloon (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Tomb (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Tomb (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - TunnelMouth (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - WaterMill (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - WaterMill (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - WaterWell (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - WaterWell (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Waterwork (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Waterwork (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - WeighStation (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - WeighStation (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - WindFarm (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - WindFarm (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - AdministrativeBoundary (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - AircraftRevetment (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - AeroNavaid (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - AircraftHangar (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - AircraftHangar (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Apron (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Amphitheatre (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Amphitheatre (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - AmusementPark (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - AmusementPark (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - AmusementParkAttraction (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - AmusementParkAttraction (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - AmusementParkAttraction (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Anchor (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Anchorage (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Anchorage (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Zoo (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Zoo (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Aerial (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Aqueduct (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Aqueduct (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Arcade (Area 00)

SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Arcade (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ArcheologicalSite (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ArcheologicalSite (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - AsphaltLake (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SportsGround (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SportsGround (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - MotorVehicleStation (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - MotorVehicleStation (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Barn (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Barn (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Beach (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - BeachProfile (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - MaritimeNavigationBeacon (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Benchmark (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - BlastFurnace (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - BlastFurnace (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - VesselLift (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Bog (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - BotanicGarden (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - BottomCharacterRegion (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - BottomCharacterRegion (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - BoundaryMonument (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Bridge (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Bridge (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Bridge (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - BridgePier (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - BridgePier (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - BridgePier (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - BridgeSpan (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - BridgeSpan (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - BridgeSpan (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - BridgeSuperstructure (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - BridgeSuperstructure (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - BridgeTower (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Thicket (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - BucketElevator (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - BucketElevator (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Building (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Building (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - BuildingSuperstructure (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - BuildingSuperstructure (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - BuildingSuperstructure (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - BuiltUpArea (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - BuiltUpArea (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Cairn (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - CallingInPoint (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Camp (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Camp (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - CampSite (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - CampSite (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Canal (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Canal (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - CartTrack (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Castle (Area 00)

SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Castle (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - CatalyticCracker (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - CatalyticCracker (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Cemetery (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Cemetery (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Checkpoint (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Cistern (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Smokestack (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ControlTower (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ControlTower (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Conveyor (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - CoolingTower (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - CoolingTower (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Courtyard (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Crane (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Crane (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Crevasse (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Crevasse (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Crib (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Crib (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - CropLand (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Crossing (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Culvert (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Culvert (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Dam (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Dam (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Dam (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - DepthContour (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - DepthCurve (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - DepthCurve (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - DepthArea (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - AnnotatedLocation (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - AnnotatedLocation (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - AnnotatedLocation (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - DiscolouredWater (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - DiscolouredWater (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - DishAerial (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - DisposalSite (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - DisposalSite (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - DistanceMark (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - DragonsTeeth (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - DragonsTeeth (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - DriveInTheatre (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - OutdoorTheatreScreen (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - OutdoorTheatreScreen (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - DryDock (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Cable (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ElevationContour (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - EngineTestCell (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - EngineTestCell (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SteepTerrainFace (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Esker (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ExcavatingMachine (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ExcavatingMachine (Point 00)

SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ExtractionMine (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ExtractionMine (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Facility (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Facility (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Fairground (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Fence (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - FerryCrossing (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - FerryCrossing (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - FerryStation (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - FerryStation (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - FishLadder (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - FishingStakes (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - FishWeir (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - FishWeir (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Flagpole (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - FlarePipe (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - FloatingDryDock (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Ford (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Ford (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Ford (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Foreshore (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Forest (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Forest (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Fountain (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Fountain (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Gantry (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Gantry (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Gate (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Gate (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - GeologicFault (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - GeothermalOutlet (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - GeothermalOutlet (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Glacier (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - GolfCourse (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - GolfDrivingRange (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - GrainElevator (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - GrainElevator (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - GrainStorageStructure (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - GrainStorageStructure (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Grandstand (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Grandstand (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Grassland (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Greenhouse (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Greenhouse (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SoilSurfaceRegion (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Harbour (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - HardenedAircraftShelter (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - HardenedAircraftShelter (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - HeatingFacility (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - HeatingFacility (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Hedgerow (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Helipad (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Helipad (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Heliport (Area 00)

SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Heliport (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - HopField (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Hopper (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Hulk (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Hummock (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Hut (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Hut (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Lock (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Lock (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Lock (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - IceCliff (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - IcePeak (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - IceShelf (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - InterestSite (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - InterestSite (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - InternationalDateLine (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Ditch (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Ditch (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Island (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Island (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Lagoon (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - LandSubjectToInundation (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - LandWaterBoundary (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - LandslideMass (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - LaunchPad (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - LaunchPad (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - LightSupportStructure (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Lighthouse (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Lighthouse (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - LightVessel (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - LiquidDiffuser (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - HoldingPen (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - HoldingPen (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - LoggingSite (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - LocalMagneticAnomaly (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ClearedWay (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ClearedWay (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - UtilityCover (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - FoulGround (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - FoulGround (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Gridiron (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - LightSector (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - MaritimeLimit (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - MeasuredDistanceLine (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Marker (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - MaritimeRoute (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - MaritimeRoute (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Wreck (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Wreck (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Marsh (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - MilitaryInstallation (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - MilitaryInstallation (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Minefield (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - MineralPile (Area 00)

SpatialMdEntCollect (Area 00) - provides metadata for - One or more - MineralPile (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - MissileSite (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - MissileSite (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Moat (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Moat (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - MobileHomePark (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Dolphin (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - MooringMast (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Moraine (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - MountainPass (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - NamedLocation (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - NamedLocation (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - NamedLocation (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Buoy (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - MaritimeNavigationLight (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Oasis (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Oasis (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - OverheadObstruction (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - OverheadObstruction (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - PackIce (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - PackIce (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Park (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ParkingGarage (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ParkingGarage (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ParticleAccelerator (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ParticleAccelerator (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ParticleAccelerator (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Penstock (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - HydrocarbonProdFacility (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - HydrocarbonProdFacility (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - HydrocarbonsField (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - HydrocarbonsField (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - TankFarm (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - TankFarm (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - PicnicSite (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Pipeline (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - PlantNursery (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - PolarIce (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ElectricPowerStation (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ElectricPowerStation (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - PowerSubstation (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - PowerSubstation (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - PreparedWatercourseCross (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - PreparedWatercourseCross (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - PublicSquare (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - PublicSquare (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - PumpingStation (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - PumpingStation (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Pylon (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Racetrack (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Racetrack (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - RadarStation (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - RadarStation (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - MaritimeRadarRefLine (Line 00)

SpatialMdEntCollect (Area 00) - provides metadata for - One or more - RailwaySidetrack (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - RailwayTurntable (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - RailwayTurntable (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - RailwayYard (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - RailwayYard (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Ramp (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Ramp (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Rapids (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Rapids (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Rapids (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Reef (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Reef (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - RiceField (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Rig (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Rig (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - River (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - River (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - GaugingStation (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - VanishingPoint (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Road (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Road (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - RoadInterchange (Area 00)
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SpatialMdEntCollect (Area 00) - provides metadata for - One or more - RoadInterchange (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - RoadsideRestArea (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - RoadsideRestArea (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - RockFormation (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - RockFormation (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Roundhouse (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Roundhouse (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Ruins (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Ruins (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Runway (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Stopway (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SaltEvaporator (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SaltEvaporator (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SaltFlat (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SandDunes (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Lookout (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Lookout (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - RecyclingSite (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SeaplaneRun (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Sabkha (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Settlement (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Settlement (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SettlingPond (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ShantyTown (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ShantyTown (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SharpCurve (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ShearWall (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Shed (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Shed (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Shipyard (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Shipyard (Point 00)

SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Shoreline (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ShorelineConstruction (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ShorelineConstruction (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - BeachLandingSite (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - BeachLandingSite (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Sidewalk (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SkiJump (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SkiJump (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SlopeRegion (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SluiceGate (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SluiceGate (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SmallCraftFacility (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SmallCraftFacility (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Snag (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SolarPanel (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SolarPanel (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Sounding (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Spillway (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Spillway (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SpotElevation (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Stadium (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Stadium (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Stair (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Stair (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - InsubstantialNavMark (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SteepGrade (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SteepGrade (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SurfaceBunker (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SurfaceBunker (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ShippingContainer (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ShippingContainer (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - StorageDepot (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - StorageDepot (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - StorageTank (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - StorageTank (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - StructuralPile (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - StructuralPile (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - HazardousRock (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - GeodeticPoint (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Swamp (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SweptArea (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SwimmingPool (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SwimmingPool (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Orchard (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Orchard (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Taxiway (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Taxiway (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Cableway (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Cut (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Depression (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Depression (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - TestSite (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - TidalStreamObserveStation (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Tower (Area 00)

SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Tower (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - TrafficSeparationScheme (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - TrafficSeparationScheme (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - TrafficSeparationScheme (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Trail (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - TrainingSite (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - TrainingSite (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - TransportationBlock (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - TransportationBlock (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - TransportationStation (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - TransportationStation (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Tree (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Tundra (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Tunnel (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Tunnel (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - UndergroundBunker (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - UndergroundBunker (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - UndergroundDwelling (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - VehicleBarrier (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - VehicleBarrier (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - VehicleLot (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Berth (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Vineyard (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Vineyard (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - VoidCollectionArea (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - VolcanicDyke (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Volcano (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Volcano (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Wall (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - WaterbodyDivider (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - TidalWater (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - WaterIntakeTower (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - WaterIntakeTower (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - WaterTower (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - WaterTower (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - WaterTreatmentBed (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - WaterTurbulence (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - WaterTurbulence (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - WaterTurbulence (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Waterfall (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Waterfall (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - NaturalPool (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - NaturalPool (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - FiringRange (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - FiringRange (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - WindTurbine (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Windmill (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Windmill (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Cane (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - FireHydrant (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - MaritimeSignalStation (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Parcel (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Crevice (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Crevice (Line 00)

SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Embankment (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Embankment (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SkiRun (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SkiRun (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - CaravanPark (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - AerodromeBeacon (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - BasinGate (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - BasinGate (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - CastleComplex (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - CastleComplex (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - CausewayStructure (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - CausewayStructure (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - CutLine (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - EngineeredEarthwork (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - EngineeredEarthwork (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - FishFarmFacility (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - FishFarmFacility (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - FloodControlStructure (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - FloodControlStructure (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - FloodControlStructure (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - FortifiedBuilding (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - FortifiedBuilding (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - InlandWaterbody (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - InlandWaterbody (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - LandAerodrome (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - LandAerodrome (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - MaricultureSite (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - MemorialMonument (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - MemorialMonument (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - MemorialMonument (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - QanatShaft (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Railway (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SewageTreatmentPlant (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SewageTreatmentPlant (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ShipElevator (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ShipElevator (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ShipElevator (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - TransRouteCharacterChange (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - TransRouteCharacterChange (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - TransRouteProtectStruct (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - TransRouteProtectStruct (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - TransRouteProtectStruct (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - WaterAerodrome (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - WaterAerodrome (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - WaterRace (Line 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - CaveChamber (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - CaveMouth (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - NonWaterWell (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - WaterMovementDataLocation (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - SnowIceField (Area 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - ControlPoint (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - LandingZone (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - TrafficLight (Point 00)
SpatialMdEntCollect (Area 00) - provides metadata for - One or more - InstallationBoundary (Area 00)

SpatialMdEntCollect (Area 00) - provides metadata for - One or more - CantonmentArea (Area 00)
 SpatialMdEntCollect (Area 00) - provides metadata for - One or more - WasteHeap (Area 00)
 SpatialMdEntCollect (Area 00) - provides metadata for - One or more - WasteHeap (Point 00)
 SpatialMdEntCollect (Area 00) - provides metadata for - One or more - Aquifer (Area 00)

Feature Spillway (Area 00)

New ☐ Spillway

A passage for surplus water to run over or around a dam.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Dam Face Type	1	No Information	Enumeration	Unitless		The type of slope of the upstream face of a dam.
<i>allowed values:</i> No Information			Other			Slope Vertical
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BH165	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH165						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						

Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)			Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	No Information							
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	No Information							
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:	No Information							
Structural Material Type		3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.	
allowed values:	Asphalt Masonry Reinforced Concrete			Brick No Information Rock			Composition Other Soil Concrete Prestressed Concrete Stone	
Unique Entity Identifier		1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values:	No Information							
Width		1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	
allowed values:	-999999							

Relationships: Spillway (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Spillway (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Spillway (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Spillway (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Spillway (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Spillway (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Spillway (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)

Feature Spillway (Line 00)New ☐ Spillway**A passage for surplus water to run over or around a dam.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Dam Face Type	1	No Information	Enumeration	Unitless		The type of slope of the upstream face of a dam.
<i>allowed values:</i> No Information			Other			Slope Vertical
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BH165	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH165						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
allowed values:						
Asphalt			Brick			Composition
Masonry			No Information			Other
Reinforced Concrete			Rock			Soil
						Concrete
						Prestressed Concrete
						Stone
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Spillway (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Spillway (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Spillway (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Spillway (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Spillway (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Spillway (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Spillway (Line 00) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup 00)

Feature SportsGround (Area 00)New ☐ Sports Ground**An open area where sporting events, exercises, and/or games occur. [Description] For example, an athletic field, a playing field, and/or a sports field.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AK040	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AK040						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.

Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
allowed values: <i>False</i>						<i>True</i>
allowed values: <i>Damaged</i> <i>No Information</i> <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>			<i>Dismantled</i> <i>Site Preparation</i> <i>Intact</i> <i>Under Construction</i>
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: <i>U</i>						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) <i>No Information</i> Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) <i>Other</i> U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: <i>No Information</i>						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: <i>No Information</i>						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: <i>No Information</i>						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: <i>No Information</i>						

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: SportsGround (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SportsGround (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SportsGround (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SportsGround (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SportsGround (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 SportsGround (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 SportsGround (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 SportsGround (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 SportsGround (Area 00) - is a member of group - Exactly one - RecreationSrf (FeatureGroup 00)

Feature SportsGround (Point 00)

New ☐ Sports Ground

An open area where sporting events, exercises, and/or games occur. [Description] For example, an athletic field, a playing field, and/or a sports field.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AK040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK040						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

allowed values: -999999

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: SportsGround (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SportsGround (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SportsGround (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SportsGround (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SportsGround (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 SportsGround (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 SportsGround (Point 00) - is a member of group - Exactly one - RecreationPnt (FeatureGroup 00)

Feature SpotElevation (Point 00)

New ☐ Spot Elevation

A designated location with an elevation value relative to a vertical datum.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Absolute Vertical Accuracy (90%)	1	-999999	Real	Metre	0	The difference between the recorded elevation of a feature and its true elevation referenced to the same vertical datum expressed as a linear error at 90 percent probability. [Description] It may also be applied to a data set. If the data contains multiple accuracies, usually the worst accuracy which applies to 10% or more of the data is recorded.

allowed values: -999999

Elevation Surface Category	1	No Information	Enumeration	Unitless	0	The category of surface for which an elevation is determined.
<u>allowed values:</u> Inland Water Vegetation			Land Water			No Information Snow Field and/or Ice-field

New Feature Code	1	CA030	CONSTRAINED_STRING	Unitless	5	Feature Code
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allowed values: CA030

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
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allowed values: -999999

Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<u>allowed values:</u> Accurate			Approximate			Doubtful No Information

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

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
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allowed values: U

Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)			Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	No Information							
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	No Information							
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:	No Information							
Unique Entity Identifier		1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values:	No Information							
Highest Elevation : Vertical Datum		1	No Information	Enumeration	Unitless	0	A reference surface with respect to which elevations and/or depths are specified. [Description] The values of elevation (or sometimes equivalently, height) and depth are determined along the direction of the reference surface normal.	
allowed values:	Ground Level North American Vertical Datum (NAVD) 1988 WGS 84 Ellipsoid			Mean Sea Level (MSL) Other			National Geodetic Vertical Datum (NGVD) 1929 WGS 84 EGM08 Geoid No Information WGS 84 EGM96 Geoid	

Relationships: SpotElevation (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
SpotElevation (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
SpotElevation (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
SpotElevation (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
SpotElevation (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
SpotElevation (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
SpotElevation (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
SpotElevation (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
SpotElevation (Point 00) - is a member of group - Exactly one - HypsographyPnt (FeatureGroup 00)

Feature Stable (Area 00)

New ☐ Stable

A building similar to a barn and adapted for the shelter and feeding of domestic animals, being divided into individual stalls. [Description] Although commonly used to house horses, it may be used to house other animals (for example: prize cattle, sheep or goats) and often includes a storage loft (for example: for hay).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AJ080	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AJ080						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Animal Boarding Recreation			No Information			Other Raising of Animals
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.

<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
No Information						
True						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged						
No Information						
Unmaintained						
Destroyed						
Ruined						
Dismantled						
Site Preparation						
Intact						
Under Construction						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)						
Defence Acquisition and Logistics Organization (Denmark)						
General Command of Mapping (Turkey)						
Geospatial Intelligence Organisation (New Zealand)						
Mapping Service (Hungary)						
Military Mapping Centre (Lithuania)						
No Information						
Topographic Service (Finland)						
U.S. Army Geospatial Center (AGC)						
U.S. Defense Intelligence Agency (DIA)						
U.S. European Command (USEUCOM)						
U.S. Marine Corps						
U.S. National Reconnaissance Office (NRO)						
U.S. Pacific Command (PACOM)						
U.S. Transportation Command (USTRANSCOM)						
Army Geographic Centre (Spain)						
Defence Geographic Centre Intelligence Collection Group (United Kingdom)						
Geographic Service (Belgium)						
Hellenic Military Geographic Service (Greece)						
Military Geographic Group (Estonia)						
Military Topographic Directorate (Romania)						
Other						
U.S. Africa Command (USAFRICOM)						
U.S. Central Command (USCENTCOM)						
U.S. Department of Energy (DOE)						
U.S. Federal Bureau of Investigation (FBI)						
U.S. National Civil Applications Program (NCAP)						
U.S. National Security Agency (NSA)						
U.S. Southern Command (USSOUTHCOM)						
Army Geographic Institute (Portugal)						
Defence Imagery and Geospatial Organisation (Australia)						
Geographic Service of the Czech Armed Forces (Czech Republic)						
Joint Geography Bureau (France)						
Military Geographic Service (Norway)						
Military Topographic Service (Bulgaria)						
Swedish Armed Forces (Sweden)						
U.S. Air Force						
U.S. Central Intelligence Agency (CIA)						
U.S. Department of Homeland Security (DHS)						
U.S. Geological Survey (USGS)						
U.S. National Geospatial-Intelligence Agency (NGA)						
Bundeswehr Geoinformation Office (Germany)						
Defense Information Security (Italy)						
Geospatial Information Agency (Latvia)						
Mapping and Charting Establishment (Canada)						
Military Geography Division (Poland)						
National Army Topographic Service (Moldova)						
Topographic Institute (Slovakia)						
U.S. Army						
U.S. Coast Guard						
U.S. Department of State						
U.S. Joint Forces Command (USJFCOM)						
U.S. National Oceanic and Atmospheric Administration						
U.S. Northern Command (USNORTHCOM)						
U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i>						
Conical						
Flat with Parapet						
Pitched with Clerestory						
With Clerestory						
With Steeple						
Domed						
No Information						
Pyramidal						
With Cupola						
With Tower						
Flat						
Other						
Sawtoothed						
With Minaret						
With Turret						
Flat with Clerestory						
Pitched						
Semi-cylindrical						
With Smokestack						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Adobe Brick Masonry Prestressed Concrete Stone						
Brick Metal Reinforced Concrete Wood						
Concrete No Information Sod						
Iron Other Steel						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Wireless Telecommunication Information : Wireless Telecommunication Type	1	No Information	Enumeration	Unitless	0	The type of a wireless telecommunication service based on the mechanism(s) of transmission and/or the nature of the communication(s) supported. [Description] For example, radio broadcast or mobile phone service.
<i>allowed values:</i> Cellular Phone Other Television (TV)						
Microwave Radio Relay Radio Broadcast						
Mobile Phone Radio Telephone						
No Information Radio-telegraph						

Relationships: Stable (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Stable (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Stable (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Stable (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Stable (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Stable (Area 00) - is a member of group - Exactly one - AgricultureSrf (FeatureGroup 00)

Feature Stable (Point 00)

New ☐ Stable

A building similar to a barn and adapted for the shelter and feeding of domestic animals, being divided into individual stalls. [Description] Although commonly used to house horses, it may be used to house other animals (for example: prize cattle, sheep or goats) and often includes a storage loft (for example: for hay).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public						
International No Information State						
Joint Military and Civilian Other						
Military Private						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational						
Non-operational Planned						
Not in Operation Temporarily Non-operational						
Operational						

New	Feature Code	1	AJ080	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AJ080						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Animal Boarding Recreation		No Information			Other	Raising of Animals
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999						
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999						
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False		No Information			True	
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<i>allowed values:</i> Damaged No Information Unmaintained		Destroyed Ruined			Dismantled Site Preparation	Intact Under Construction
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<i>allowed values:</i> U						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	No Information						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.	
allowed values:	Conical Flat with Parapet Pitched with Clerestory With Clerestory With Steeple		Domed No Information Pyramidal With Cupola With Tower		Flat Other Sawtoothed With Minaret With Turret		Flat with Clerestory Pitched Semi-cylindrical With Smokestack
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:	No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values:	No Information						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).	
allowed values:	Adobe Brick Masonry Prestressed Concrete Stone		Brick Metal Reinforced Concrete Wood		Concrete No Information Sod		Iron Other Steel
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	

allowed values: -999999

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

Relationships: Stable (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Stable (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Stable (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Stable (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Stable (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Stable (Point 00) - is a member of group - Exactly one - AgriculturePnt (FeatureGroup 00)

Feature Stadium (Area 00)New ☐ Stadium

A field and/or stage partly or completely surrounded by a structure designed to allow spectators to stand or sit while viewing an event. [Description] The field and/or stage may be enclosed in a building or be outdoors. Stadiums are surrounded on most or all sides by tiered seating for spectators. Often designed in size and shape to accommodate specific sports (for example: baseball, football, basketball or ice hockey), theater or musical performances.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
allowed values: No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
allowed values: False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
allowed values: Civilian National State			International No Information			Joint Military and Civilian Other Military Private
Cover Closure Type	1	No Information	Enumeration	Unitless	0	The extent and/or nature of the cover (for example: a roof) of a structure.
allowed values: Complete Partial			Moveable			No Information Open
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AK160	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: AK160						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
allowed values: Amusement Food Service Primary Education Secondary Education			Cinema No Information Recreation Sports Centre			Club Opera House Religious Activities Sports, Amusement and Recreation Education Other Restaurant Theatre
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values: No Information						

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	No Information						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.	
allowed values:	Conical Flat with Parapet Pitched with Clerestory With Clerestory With Steeple		Domed No Information Pyramidal With Cupola With Tower			Flat Other Sawtoothed With Minaret With Turret	Flat with Clerestory Pitched Semi-cylindrical With Smokestack
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:	No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values:	No Information						
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.	
allowed values:	No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	
allowed values:	No Information						

Relationships: Stadium (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Stadium (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Stadium (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Stadium (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Stadium (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Stadium (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Stadium (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Stadium (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Stadium (Area 00) - is a member of group - Exactly one - RecreationSrf (FeatureGroup 00)

Feature Stadium (Point 00)New ☐ Stadium

A field and/or stage partly or completely surrounded by a structure designed to allow spectators to stand or sit while viewing an event. [Description] The field and/or stage may be enclosed in a building or be outdoors. Stadiums are surrounded on most or all sides by tiered seating for spectators. Often designed in size and shape to accommodate specific sports (for example: baseball, football, basketball or ice hockey), theater or musical performances.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National State			International No Information			Joint Military and Civilian Other Military Private
Cover Closure Type	1	No Information	Enumeration	Unitless	0	The extent and/or nature of the cover (for example: a roof) of a structure.
<i>allowed values:</i> Complete Partial			Moveable			No Information Open
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AK160	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK160						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Amusement Food Service Primary Education Secondary Education			Cinema No Information Recreation Sports Centre			Club Opera House Religious Activities Sports, Amusement and Recreation Education Other Restaurant Theatre
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.

<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
New Physical Condition			No Information	Enumeration	Unitless	The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined	True Dismantled Site Preparation Intact Under Construction		
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)						
Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)						
Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)						
Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)						

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical Flat with Parapet Pitched with Clerestory With Clerestory With Steeple			Domed No Information Pyramidal With Cupola With Tower			Flat Other Sawtoothed With Minaret With Turret Flat with Clerestory Pitched Semi-cylindrical With Smokestack
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Stadium (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Stadium (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Stadium (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Stadium (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Stadium (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Stadium (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Stadium (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Stadium (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Stadium (Point 00) - is a member of group - Exactly one - RecreationPnt (FeatureGroup 00)

Feature Stair (Area 00)New ☐ Stair

A series of fixed steps leading from one level to another, especially such a series leading from one floor level to another inside a structure. [Description] The steps may also be on the outside of the structure, for example, on a gasometer.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational						
New Feature Code	1	AQ150	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AQ150						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u> Damaged No Information Unmaintained						
			Destroyed Ruined			Dismantled Site Preparation
						Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Stair (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Stair (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Stair (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Stair (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Stair (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Stair (Area 00) - is a member of group - Exactly one - StructureSrf (FeatureGroup 00)

Feature Stair (Line 00)

New ☐ Stair

A series of fixed steps leading from one level to another, especially such a series leading from one floor level to another inside a structure. [Description] The steps may also be on the outside of the structure, for example, on a gasometer.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AQ150	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ150						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					
Relationships:	Stair (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00) Stair (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00) Stair (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00) Stair (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00) Stair (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00) Stair (Line 00) - is a member of group - Exactly one - StructureCrv (FeatureGroup 00)					

Feature SteepGrade (Line 00)

New ☐ Steep Grade

A stretch along a land transportation route where the slope is high enough to slow, hinder, or even stop traffic. [Description] The percent (%) slope is the ratio of change in elevation (vertical distance) to horizontal ground distance multiplied by 100.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Feature Code	1	AQ120	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AQ120						
Gradient Length	1	-999999	REAL	Metre	0	The length of a road or railway segment having a significant gradient, specifically greater than or equal to 7 percent (%) for a road or greater than or equal to 3 percent (%) for a railway.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False			No Information			True
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
U.S. Coast Guard						
U.S. Department of State						
U.S. Joint Forces Command (USJFCOM)						
U.S. National Oceanic and Atmospheric Administration						
U.S. Northern Command (USNORTHCOM)						
U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.

allowed values: No Information

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
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allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Surface Slope	1	[-999999, -999999]	REAL_Interval	Percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
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allowed values: [-999999, -999999]

Greater-than to Less-than-or-equal Interval

Open Interval

Closed Interval

Greater-than-or-equal to Less-than Interval

Greater-than or Equal Semi-interval

Less-than or Equal Semi-interval

Greater-than Semi-interval

Less-than Semi-interval

Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
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allowed values: No Information
Road

Other

Pedestrian

Railway

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Relationships: SteepGrade (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SteepGrade (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SteepGrade (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SteepGrade (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SteepGrade (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 SteepGrade (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 SteepGrade (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 SteepGrade (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 SteepGrade (Line 00) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup 00)

Feature SteepGrade (Point 00)New ☐ Steep Grade

A stretch along a land transportation route where the slope is high enough to slow, hinder, or even stop traffic. [Description] The percent (%) slope is the ratio of change in elevation (vertical distance) to horizontal ground distance multiplied by 100.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Feature Code	1	AQ120	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ120						
Gradient Length	1	-999999	REAL	Metre	0	The length of a road or railway segment having a significant gradient, specifically greater than or equal to 7 percent (%) for a road or greater than or equal to 3 percent (%) for a railway.
<i>allowed values:</i> -999999						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values: False						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: No Information						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values: U						
<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						

Surface Slope	1	[-999999, -999999]	REAL_Interval	Percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
<i>allowed values:</i> [-999999, -999999] <i>Closed Interval</i> <i>Greater-than or Equal Semi-interval</i> <i>Greater-than Semi-interval</i> <i>Greater-than to Less-than-or-equal Interval</i> <i>Greater-than-or-equal to Less-than Interval</i> <i>Less-than or Equal Semi-interval</i> <i>Less-than Semi-interval</i> <i>Open Interval</i>						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> No Information <i>Other</i> <i>Pedestrian</i> <i>Railway</i> <i>Road</i>						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: SteepGrade (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SteepGrade (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SteepGrade (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SteepGrade (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SteepGrade (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 SteepGrade (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 SteepGrade (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)

Feature SteepTerrainFace (Line 00)

New ☐ Steep Terrain Face

A steep, vertical, or overhanging face of rock and/or soil. [Description] For example, an escarpment, a bluff, or a cliff.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Feature Code	1	DB010	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> DB010						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Predominant Feature Height	1	-999999	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).
allowed values: -999999						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values: <div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						

Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> No Information			Other			Rock Soil
Surface Slope	1	[-999999, -999999]	REAL_Interval	Percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
<i>allowed values:</i> [-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval			Closed Interval Greater-than-or-equal to Less-than Interval			Greater-than or Equal Semi-interval Less-than or Equal Semi-interval Greater-than Semi-interval Less-than Semi-interval
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: SteepTerrainFace (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SteepTerrainFace (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SteepTerrainFace (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SteepTerrainFace (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SteepTerrainFace (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 SteepTerrainFace (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 SteepTerrainFace (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 SteepTerrainFace (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 SteepTerrainFace (Line 00) - is a member of group - Exactly one - PhysiographyCrv (FeatureGroup 00)

Feature Stopway (Area 00)New ☐ Stopway

A defined rectangular area on the ground at the end of the take-off run available that has been prepared as a suitable area in which an aircraft can be stopped in the case of an abandoned take-off.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aerodrome Elevation	1	-999999	REAL	Metre	0	The vertical distance above Mean Sea Level (MSL) of the highest point of the landing area.
<i>allowed values:</i> -999999						
Aerodrome Movement Area Surface Composition	3	No Information	Enumeration	Unitless	0	The type of the predominant material of which a surface of the movement area is composed. [Description] Example surfaces include: asphalt, concrete, or grass.
<i>allowed values:</i> Asphalt Clay Gravel Macadam Other Stone			Asphalt Over Concrete Concrete Ice Membrane Pierced Steel Planking Water			Bituminous Mix Brick Earthen Laterite Non-bituminous Mix Snow Wood
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999

Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	GB045	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> GB045						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)	
U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration	
U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)	
U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)	
U.S. Transportation Command (USTRANSCOM)				
Restriction Information : Security Attributes Group (resource non-intelligence community markings)				
allowed values:	No Information			
Restriction Information : Security Attributes Group (resource owner-producer)				
allowed values:	No Information			
Specified Domain Values(s)				
allowed values:	No Information			
Unique Entity Identifier				
allowed values:	No Information			
Width				

allowed values: -999999

Relationships: Stopway (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Stopway (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Stopway (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Stopway (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Stopway (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Stopway (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Stopway (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Stopway (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Stopway (Area 00) - is a member of group - Exactly one - AeronauticSrf (FeatureGroup 00)

Feature StorageDepot (Area 00)

New ☐ Storage Depot

A tract used for the storage of products and/or supplies.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AM010	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AM010						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Agriculture Manufacturing No Information Raising of Animals			Commerce Materials Recovery Other Sales Yard			Defence Activities Meeting Place Petroleum and/or Gas Extraction Transfer Hub Emergency Operations Mining and Quarrying Power Generation Wholesale Merchant
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<i>allowed values:</i> False			No Information			True
Margin Number	1	-999999	Integer	Unitless		The numeric identifier used to relate a feature instance to additional information about that feature instance that may be presented along the margin (outside the neat line) of a map or chart sheet on which that feature instance is portrayed. [Description] The scope of uniqueness may only be within the map or chart sheet.

<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information True						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged Destroyed Dismantled Intact No Information Ruined Site Preparation Under Construction Unmaintained						
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Aircraft Ammunition Biodiesel Chemical Coal Cobbles Coke Explosive Gas Gravel Lumber No Information Other Petroleum Radioactive Material Salt Sand Stone Timber Tobacco Uranium Water						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Army Geographic Centre (Spain) Army Geographic Institute (Portugal) Bundeswehr Geoinformation Office (Germany) Defence Acquisition and Logistics Organization (Denmark) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Defence Imagery and Geospatial Organisation (Australia) Defense Information Security (Italy) General Command of Mapping (Turkey) Geographic Service (Belgium) Geographic Service of the Czech Armed Forces (Czech Republic) Geospatial Information Agency (Latvia) Geospatial Intelligence Organisation (New Zealand) Hellenic Military Geographic Service (Greece) Joint Geography Bureau (France) Mapping and Charting Establishment (Canada) Mapping Service (Hungary) Military Geographic Group (Estonia) Military Geographic Service (Norway) Military Geography Division (Poland) Military Mapping Centre (Lithuania) Military Topographic Directorate (Romania) Military Topographic Service (Bulgaria) National Army Topographic Service (Moldova) No Information Other Swedish Armed Forces (Sweden) Topographic Institute (Slovakia) Topographic Service (Finland) U.S. Africa Command (USAFRICOM) U.S. Air Force U.S. Army U.S. Army Geospatial Center (AGC) U.S. Central Command (USCENTCOM) U.S. Central Intelligence Agency (CIA) U.S. Coast Guard U.S. Defense Intelligence Agency (DIA) U.S. Department of Energy (DOE) U.S. Department of Homeland Security (DHS) U.S. Department of State U.S. European Command (USEUCOM) U.S. Federal Bureau of Investigation (FBI) U.S. Geological Survey (USGS) U.S. Joint Forces Command (USJFCOM) U.S. Marine Corps U.S. National Civil Applications Program (NCAP) U.S. National Geospatial-Intelligence Agency (NGA) U.S. National Oceanic and Atmospheric Administration U.S. National Reconnaissance Office (NRO) U.S. National Security Agency (NSA) U.S. Navy U.S. Northern Command (USNORTHCOM) U.S. Pacific Command (PACOM) U.S. Southern Command (USSOUTHCOM) U.S. Special Operations Command (USSOCOM) U.S. Strategic Command (USSTRATCOM) U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: StorageDepot (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
StorageDepot (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
StorageDepot (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
StorageDepot (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
StorageDepot (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
StorageDepot (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
StorageDepot (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
StorageDepot (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
StorageDepot (Area 00) - is a member of group - Exactly one - StorageSrf (FeatureGroup 00)

Feature StorageDepot (Point 00)New ☐ Storage Depot**A tract used for the storage of products and/or supplies.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State	Joint Military and Civilian Other Military Private		
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned	Not in Operation Temporarily Non-operational <i>Operational</i>		
New Feature Code	1	AM010	CONSTRAINED_ STRING	Unitless	5	Feature Code

allowed values: AM010

Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i>	Agriculture Manufacturing No Information Raising of Animals		Commerce Materials Recovery Other Sales Yard		Defence Activities Meeting Place Petroleum and/or Gas Extraction Transfer Hub Emergency Operations Mining and Quarrying Power Generation Wholesale Merchant	
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i>	No Information					
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i>	-999999					
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i>	-999999					
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i>	-999999					
Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<i>allowed values:</i>	False		No Information		True	
Margin Number	1	-999999	Integer	Unitless		The numeric identifier used to relate a feature instance to additional information about that feature instance that may be presented along the margin (outside the neat line) of a map or chart sheet on which that feature instance is portrayed. [Description] The scope of uniqueness may only be within the map or chart sheet.
<i>allowed values:</i>	-999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i>	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i>	False		No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i>	Damaged No Information Unmaintained		Destroyed Ruined		Dismantled Site Preparation Intact Under Construction	
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.

allowed values:	Aircraft Coal Gas Other Salt Tobacco			Ammunition Cobbles Gravel Petrol Sand Uranium			Biodiesel Coke Lumber Petroleum Stone Water		Chemical Explosive No Information Radioactive Material Timber
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.			
allowed values:	U								
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.			
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.			
allowed values:	No Information								
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.			
allowed values:	No Information								
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.			
allowed values:	No Information								
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.			
allowed values:	No Information								

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: StorageDepot (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 StorageDepot (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 StorageDepot (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 StorageDepot (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 StorageDepot (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 StorageDepot (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 StorageDepot (Point 00) - is a member of group - Exactly one - StoragePnt (FeatureGroup 00)
 StorageDepot (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 StorageDepot (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature StorageTank (Area 00)

New ☐ Storage Tank

A container used for the storage of liquids and/or gases that is not supported by a tower.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999						
New Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999						
New Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999						
Containment Berm Present	1	No Information	Boolean	Unitless	0	An indication that a facility (for example: a storage tank, a drum storage area, or a liquid transfer area) is surrounded by an embankment or wall that provides a barrier to retain liquid (for example: leaked fuel oil). [Description] The embankment or wall is typically part of a spill containment system that may additionally provide fire protection, product recovery and/or process isolation.
<i>allowed values:</i> False			No Information			True
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
New Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.

<i>allowed values:</i> <div>No Information Partially Operational</div>		Non-operational Planned		Not in Operation Temporarily Non-operational		Operational	
New	Feature Code	1	AM070	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> <div>AM070</div>							
Geographic Name Information : Full Name		2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> <div>No Information</div>							
Geographic Name Type		2	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> <div>Conventional Other</div>				Historical Transliterated Provisional			<div>Native Transliterated Unverified Transliterated</div> <div>No Information Variant Transliterated</div>
Height Above Surface Level		1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> <div>-999999</div>							
Highest Elevation		1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> <div>-999999</div>							
Hydrologic Persistence		1	No Information	Enumeration	Unitless		The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i> <div>Dry Perennial</div>				Ephemeral			<div>Intermittent</div> <div>No Information</div>
Length		1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> <div>-999999</div>							
Located Underground		1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<i>allowed values:</i> <div>False</div>				No Information			True
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> <div>-999999</div>							
Note : Memorandum		1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> <div>No Information</div>							
Geographic Name Information : Name Identifier		2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> <div>No Information</div>							
Navigation Landmark		1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> <div>False</div>				No Information			True
New	Water Resource Information : pH of Water	1	-999999	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> <div>-999999</div>							

New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
allowed values: <i>Damaged</i> <i>Destroyed</i> <i>Dismantled</i> <i>Intact</i> <i>No Information</i> <i>Ruined</i> <i>Site Preparation</i> <i>Under Construction</i> <i>Unmaintained</i>							
	Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
allowed values: Biodiesel Chemical Food Gas Liquefied Natural Gas (LNG) Liquefied Petroleum Gas (LPG) No Information Other Petrol Petroleum Radioactive Material Sewage Water							
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: <i>U</i>							
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values: Army Geographic Agency (Netherlands) Army Geographic Centre (Spain) Army Geographic Institute (Portugal) Bundeswehr Geoinformation Office (Germany) Defence Acquisition and Logistics Organization (Denmark) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Defence Imagery and Geospatial Organisation (Australia) Defense Information Security (Italy) General Command of Mapping (Turkey) Geographic Service (Belgium) Geographic Service of the Czech Armed Forces (Czech Republic) Geospatial Information Agency (Latvia) Geospatial Intelligence Organisation (New Zealand) Hellenic Military Geographic Service (Greece) Joint Geography Bureau (France) Mapping and Charting Establishment (Canada) Mapping Service (Hungary) Military Geographic Group (Estonia) Military Geographic Service (Norway) Military Geography Division (Poland) Military Mapping Centre (Lithuania) Military Topographic Directorate (Romania) Military Topographic Service (Bulgaria) National Army Topographic Service (Moldova) No Information Other Swedish Armed Forces (Sweden) Topographic Institute (Slovakia) Topographic Service (Finland) U.S. Africa Command (USAFRICOM) U.S. Air Force U.S. Army U.S. Army Geospatial Center (AGC) U.S. Central Command (USCENTCOM) U.S. Central Intelligence Agency (CIA) U.S. Coast Guard U.S. Defense Intelligence Agency (DIA) U.S. Department of Energy (DOE) U.S. Department of Homeland Security (DHS) U.S. Department of State U.S. European Command (USEUCOM) U.S. Federal Bureau of Investigation (FBI) U.S. Geological Survey (USGS) U.S. Joint Forces Command (USJFCOM) U.S. Marine Corps U.S. National Civil Applications Program (NCAP) U.S. National Geospatial-Intelligence Agency (NGA) U.S. National Oceanic and Atmospheric Administration U.S. National Reconnaissance Office (NRO) U.S. National Security Agency (NSA) U.S. Navy U.S. Northern Command (USNORTHCOM) U.S. Pacific Command (PACOM) U.S. Southern Command (USSOUTHCOM) U.S. Special Operations Command (USSOCOM) U.S. Strategic Command (USSTRATCOM) U.S. Transportation Command (USTRANSCOM)							
	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: <i>No Information</i>							
	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: <i>No Information</i>							
	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: <i>No Information</i>							
	Structure Shape	1	No Information	Enumeration	Unitless	0	The geometric form, appearance, and/or configuration of the feature as a whole.

	<i>allowed values:</i>	Arched Cubic Cylindrical with Flat Top Horizontal Capped Cylindrical Obelisk Rectangular Prism Statue		Board-like Prism Cylindrical on Tower Cylindrical with Framework Horizontal Cylindrical Other Spherical Statue on Pedestal		Columnar Cylindrical with Conical Top Domed Multiple Arched Plaque Spherical on Column Vertical Capped Cylindrical		Cross Cylindrical with Domed Top Funnel Shaped No Information Pyramidal Square Prism Vertical Cylindrical
New	Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.	
	<i>allowed values:</i>	-999999						
	Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.	
	<i>allowed values:</i>	False		No Information		True		
New	Water Resource Information : Temperature	1	-999999	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.	
	<i>allowed values:</i>	-999999						
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.	
	<i>allowed values:</i>	-999999						
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).	
	<i>allowed values:</i>	-999999						
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
	<i>allowed values:</i>	No Information						
	Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).	
	<i>allowed values:</i>	Aluminum Metal Reinforced Concrete		Concrete No Information Steel			Iron Other	Masonry Prestressed Concrete
	Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.	
	<i>allowed values:</i>	No Information						
	Volume	1	-999999	REAL	Cubic Metre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.	
	<i>allowed values:</i>	-999999						
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	0	The electrical conductivity of water.	
	<i>allowed values:</i>	-999999						
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.	
	<i>allowed values:</i>	-999999						
	Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.	
	<i>allowed values:</i>	Contaminated Potable		No Information Treatable			Nonpotable	Other

Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i>	Alkaline No Information		Brackish Other			Fresh Saline Mineral
New Water Resource Information : Water Use	3	No Information	Enumeration	Unitless		The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.
<i>allowed values:</i>	Agricultural Irrigation Institutional Other		Commercial Livestock Power Generation			Domestic Irrigation Municipal Recreational Industrial No Information Sanitary Domestic
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: StorageTank (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 StorageTank (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 StorageTank (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 StorageTank (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 StorageTank (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 StorageTank (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 StorageTank (Area 00) - is a member of group - Exactly one - StorageSrf (FeatureGroup 00)

Feature StorageTank (Point 00)

New ☐ Storage Tank

A container used for the storage of liquids and/or gases that is not supported by a tower.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i>	False		No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i>	-999999					
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i>	-999999					
New Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i>	-999999					
New Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i>	-999999					
Containment Berm Present	1	No Information	Boolean	Unitless	0	An indication that a facility (for example: a storage tank, a drum storage area, or a liquid transfer area) is surrounded by an embankment or wall that provides a barrier to retain liquid (for example: leaked fuel oil). [Description] The embankment or wall is typically part of a spill containment system that may additionally provide fire protection, product recovery and/or process isolation.
<i>allowed values:</i>	False		No Information			True
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).

	<i>allowed values:</i>	Civilian National Public	International No Information State	Joint Military and Civilian Other	Military Private		
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i> -999999						
	Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New	Feature Code	1	AM070	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AM070						
	Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
	Geographic Name Type	2	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Other			Historical Transliterated Provisional			Native Transliterated Unverified Transliterated No Information Variant Transliterated
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999						
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999						
	Hydrologic Persistence	1	No Information	Enumeration	Unitless		The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<i>allowed values:</i> Dry Perennial			Ephemeral			Intermittent No Information
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999						
	Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
	<i>allowed values:</i> False			No Information			True
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<i>allowed values:</i> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						

	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False		No Information				True
New	Water Resource Information : pH of Water	1	-999999	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<i>allowed values:</i> -999999						
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<i>allowed values:</i> Damaged No Information Unmaintained		Destroyed Ruined			Dismantled Site Preparation	Intact Under Construction
	Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
	<i>allowed values:</i> Biodiesel Liquefied Natural Gas (LNG) Petrol Water		Chemical Liquefied Petroleum Gas (LPG) Petroleum			Food No Information Radioactive Material	Gas Other Sewage
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<i>allowed values:</i> U						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
	<i>allowed values:</i> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
	<i>allowed values:</i> No Information						
	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
	<i>allowed values:</i> No Information						
	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.

<i>allowed values:</i> No Information						
Structure Shape	1	No Information	Enumeration	Unitless	0	The geometric form, appearance, and/or configuration of the feature as a whole.
<i>allowed values:</i> <div> <div>Arched</div> <div>Cubic</div> <div>Cylindrical with Flat Top</div> <div>Horizontal Capped Cylindrical</div> <div>Obelisk</div> <div>Rectangular Prism</div> <div>Statue</div> </div> <div> <div>Board-like Prism</div> <div>Cylindrical on Tower</div> <div>Cylindrical with Framework</div> <div>Horizontal Cylindrical</div> <div>Other</div> <div>Spherical</div> <div>Statue on Pedestal</div> </div> <div> <div>Columnar</div> <div>Cylindrical with Conical Top</div> <div>Domed</div> <div>Multiple Arched</div> <div>Plaque</div> <div>Spherical on Column</div> <div>Vertical Capped Cylindrical</div> </div> <div> <div>Cross</div> <div>Cylindrical with Domed Top</div> <div>Funnel Shaped</div> <div>No Information</div> <div>Pyramidal</div> <div>Square Prism</div> <div>Vertical Cylindrical</div> </div>						
New Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999						
Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.
<i>allowed values:</i> False <div>No Information</div> <div>True</div>						
New Water Resource Information : Temperature	1	-999999	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999						
New Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999						
New Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> <div> <div>Aluminum</div> <div>Metal</div> <div>Reinforced Concrete</div> </div> <div> <div>Concrete</div> <div>No Information</div> <div>Steel</div> </div> <div> <div>Iron</div> <div>Other</div> </div> <div> <div>Masonry</div> <div>Prestressed Concrete</div> </div>						
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
<i>allowed values:</i> No Information						
Volume	1	-999999	REAL	Cubic Metre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
<i>allowed values:</i> -999999						
New Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	0	The electrical conductivity of water.
<i>allowed values:</i> -999999						
New Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
<i>allowed values:</i> -999999						
Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.

<i>allowed values:</i> Contaminated Potable		No Information Treatable		Nonpotable		Other
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline No Information		Brackish Other		Fresh Saline		Mineral
New Water Resource Information : Water Use	3	No Information	Enumeration	Unitless		The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional Other		Commercial Livestock Power Generation		Domestic Irrigation Municipal Recreational		Industrial No Information Sanitary Domestic
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: StorageTank (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 StorageTank (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 StorageTank (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 StorageTank (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 StorageTank (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 StorageTank (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 StorageTank (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 StorageTank (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 StorageTank (Point 00) - is a member of group - Exactly one - StoragePnt (FeatureGroup 00)

Feature StormDrain (Point 00)New ☐ Storm Drain**A collector opening into a pipe or channel to allow the removal of excess runoff water or in some cases sewage. [Description] In civil engineering terms, a drop inlet.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational		Operational
New Feature Code	1	AQ114	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ114						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

allowed values: -999999

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.				
<i>allowed values:</i> No Information										
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.				
<i>allowed values:</i> No Information										
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.				
<i>allowed values:</i> Damaged No Information Unmaintained										
			Destroyed Ruined				Dismantled Site Preparation	Intact Under Construction		
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.				
<i>allowed values:</i> U										
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.				
<i>allowed values:</i>										
Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)			Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)			Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)	
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.				
<i>allowed values:</i> No Information										
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.				
<i>allowed values:</i> No Information										
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.				
<i>allowed values:</i> No Information										
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.				
<i>allowed values:</i>										
Concrete No Information			Iron Other				Masonry Steel	Metal		

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: StormDrain (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
StormDrain (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
StormDrain (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
StormDrain (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
StormDrain (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
StormDrain (Point 00) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup 00)

Feature StreetLamp (Point 00)

New ☐ Street Lamp

A lamp intended to illuminate a road. [Description] May also illuminate the ground adjacent to the road. Usually attached to a tall pole.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AQ161	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AQ161						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

allowed values: -999999

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						

Relationships: StreetLamp (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 StreetLamp (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 StreetLamp (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 StreetLamp (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 StreetLamp (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 StreetLamp (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)

Feature StreetSign (Point 00)

 New ☐ Street Sign

A sign placed along a road for the purpose of regulating the flow of traffic (for example: vehicles and/or pedestrians) and/or providing information.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Administrative Division	1	No Information	Enumeration	Unitless	0	The nature of an administrative division as established by an international body (for example: the United Nations), a supranational body (for example: the European Union), a State (for example: France), or a similar entity (for example: the Vatican) or organization (for example: the International Hydrographic Organization).
<i>allowed values:</i>			National			No Information Other
			International or Supranational Subnational			
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i>			International No Information			Joint Military and Civilian Other Military Private
			Civilian National State			
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i>			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
			No Information Partially Operational			
New Feature Code	1	AQ162	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i>			AQ162			
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i>			No Information			
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i>			-999999			
Height of Object	1	-999999	REAL	Metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i>			-999999			
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i>			-999999			
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i>			-999999			

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Street Sign Type	1	No Information	Enumeration	Unitless	0	The type of a street sign based on the nature of the information that it displays.
<i>allowed values:</i> Direction No Information Road Identification			Electronic Message Other Route Marker			General Information Place Identification Traffic Control Mandatory Regulation Prohibited or Restricted Activity Warning
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.

<i>allowed values:</i> Metal Wood			No Information			Other	Plastic
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	

allowed values: No Information

Relationships: StreetSign (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 StreetSign (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 StreetSign (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 StreetSign (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 StreetSign (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 StreetSign (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)
 StreetSign (Point 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 StreetSign (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
 StreetSign (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)

Feature StructuralPile (Area 00)

New ☐ Structural Pile

A long pile (for example: a heavy timber or section of steel, wood, or concrete) forced into the earth that may serve as a support (for example: for a pier) or as a free standing pole within a marine environment.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	BD100	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> BD100						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values:	-999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values:	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values:	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values:	False					
allowed values:	No Information					
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
allowed values:	Damaged No Information Unmaintained					Destroyed Ruined Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values:	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)					Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)
allowed values:	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)					Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.

allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
allowed values: Concrete Other						
Iron Steel						
Metal Treated Timber						
No Information Wood						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Hydrographic Vertical Positioning Information : Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.
allowed values: Always Dry Covers and Uncovers						
Always Submerged No Information						
Awash at Chart Datum Other						
Awash at Low Water Partly Submerged						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: StructuralPile (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 StructuralPile (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 StructuralPile (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 StructuralPile (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 StructuralPile (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 StructuralPile (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 StructuralPile (Area 00) - is a member of group - Exactly one - PortHarbourSrf (FeatureGroup 00)

Feature StructuralPile (Point 00)New ☐ Structural Pile

A long pile (for example: a heavy timber or section of steel, wood, or concrete) forced into the earth that may serve as a support (for example: for a pier) or as a free standing pole within a marine environment.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values: No Information Partially Operational						
Non-operational Planned						
Not in Operation Temporarily Non-operational						
New Feature Code	1	BD100	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: BD100						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values: No Information						

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
allowed values:	Concrete Other		Iron Steel			Metal Treated Timber No Information Wood
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Hydrographic Vertical Positioning Information : Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.
allowed values:	Always Dry Covers and Uncovers		Always Submerged No Information			Awash at Chart Datum Other Awash at Low Water Partly Submerged
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: StructuralPile (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 StructuralPile (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 StructuralPile (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 StructuralPile (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 StructuralPile (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 StructuralPile (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 StructuralPile (Point 00) - is a member of group - Exactly one - PortHarbourPnt (FeatureGroup 00)

Feature SurfaceBunker (Area 00)

New ☐ Surface Bunker

A surface structure that may be covered and/or surrounded with earth and is resistant to ordnance. [Description] Used, for example, for storage and/or aircraft protection.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AM060	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AM060						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The type of designated hazard protection shelter based on the kind of emergency. [Description] These shelters may be inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
<i>allowed values:</i> Bomb Shelter Storm Shelter			Fallout Shelter			No Information Other
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

<i>allowed values:</i> -999999						
Margin Number	1	-999999	Integer	Unitless		The numeric identifier used to relate a feature instance to additional information about that feature instance that may be presented along the margin (outside the neat line) of a map or chart sheet on which that feature instance is portrayed. [Description] The scope of uniqueness may only be within the map or chart sheet.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged Destroyed Dismantled Intact No Information Ruined Site Preparation Under Construction Unmaintained						
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Ammunition Chemical Explosive No Information Other Petrol Radioactive Material Uranium						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Army Geographic Centre (Spain) Army Geographic Institute (Portugal) Bundeswehr Geoinformation Office (Germany) Defence Acquisition and Logistics Organization (Denmark) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Defence Imagery and Geospatial Organisation (Australia) Defense Information Security (Italy) General Command of Mapping (Turkey) Geographic Service (Belgium) Geographic Service of the Czech Armed Forces (Czech Republic) Geospatial Information Agency (Latvia) Geospatial Intelligence Organisation (New Zealand) Hellenic Military Geographic Service (Greece) Joint Geography Bureau (France) Mapping and Charting Establishment (Canada) Mapping Service (Hungary) Military Geographic Group (Estonia) Military Geographic Service (Norway) Military Geography Division (Poland) Military Mapping Centre (Lithuania) Military Topographic Directorate (Romania) Military Topographic Service (Bulgaria) National Army Topographic Service (Moldova) No Information Other Swedish Armed Forces (Sweden) Topographic Institute (Slovakia) Topographic Service (Finland) U.S. Africa Command (USAFRICOM) U.S. Air Force U.S. Army U.S. Army Geospatial Center (AGC) U.S. Central Command (USCENTCOM) U.S. Central Intelligence Agency (CIA) U.S. Coast Guard U.S. Defense Intelligence Agency (DIA) U.S. Department of Energy (DOE) U.S. Department of Homeland Security (DHS) U.S. Department of State U.S. European Command (USEUCOM) U.S. Federal Bureau of Investigation (FBI) U.S. Geological Survey (USGS) U.S. Joint Forces Command (USJFCOM) U.S. Marine Corps U.S. National Civil Applications Program (NCAP) U.S. National Geospatial-Intelligence Agency (NGA) U.S. National Oceanic and Atmospheric Administration U.S. National Reconnaissance Office (NRO) U.S. National Security Agency (NSA) U.S. Navy U.S. Northern Command (USNORTHCOM) U.S. Pacific Command (PACOM) U.S. Southern Command (USSOUTHCOM) U.S. Special Operations Command (USSOCOM) U.S. Strategic Command (USSTRATCOM) U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: SurfaceBunker (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SurfaceBunker (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SurfaceBunker (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SurfaceBunker (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SurfaceBunker (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 SurfaceBunker (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 SurfaceBunker (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 SurfaceBunker (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 SurfaceBunker (Area 00) - is a member of group - Exactly one - MilitarySrf (FeatureGroup 00)

Feature SurfaceBunker (Point 00)New ☐ Surface Bunker

A surface structure that may be covered and/or surrounded with earth and is resistant to ordnance. [Description] Used, for example, for storage and/or aircraft protection.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i>			International No Information State			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i>			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
<i>New</i> Feature Code	1	AM060	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AM060						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The type of designated hazard protection shelter based on the kind of emergency. [Description] These shelters may be inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
	<i>allowed values:</i>						<i>Bomb Shelter</i> <i>Storm Shelter</i> <i>Fallout Shelter</i> <i>No Information</i> <i>Other</i>
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i>						-999999
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i>						-999999
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i>						-999999
	Margin Number	1	-999999	Integer	Unitless		The numeric identifier used to relate a feature instance to additional information about that feature instance that may be presented along the margin (outside the neat line) of a map or chart sheet on which that feature instance is portrayed. [Description] The scope of uniqueness may only be within the map or chart sheet.
	<i>allowed values:</i>						-999999
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i>						No Information
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i>						No Information
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<i>allowed values:</i>						<i>Damaged</i> <i>No Information</i> <i>Unmaintained</i> <i>Destroyed</i> <i>Ruined</i> <i>Dismantled</i> <i>Site Preparation</i> <i>Intact</i> <i>Under Construction</i>
	Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
	<i>allowed values:</i>						Ammunition Other Chemical Petrol Explosive Radioactive Material No Information Uranium
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<i>allowed values:</i>						U
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: SurfaceBunker (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SurfaceBunker (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SurfaceBunker (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SurfaceBunker (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SurfaceBunker (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 SurfaceBunker (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 SurfaceBunker (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 SurfaceBunker (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 SurfaceBunker (Point 00) - is a member of group - Exactly one - MilitaryPnt (FeatureGroup 00)

Feature Swamp (Area 00)

New ☐ Swamp

A seasonally flooded, poorly drained wetland with more woody plants than a marsh and better drainage than a bog. [Description] It is covered with water all or most of the year, and accumulating dead vegetation does not rapidly decay. It can exist on flat-lying areas created by certain geomorphic environments. The vegetation mainly consists of hydrophytic trees and/or scrubs whose roots are adapted to wet conditions, with an open to very dense canopy closure. A subtype of the more generalized wetland.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre		The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<u>allowed values:</u> -999999						
Average Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<u>allowed values:</u> [-999999, -999999]			No Information			
Bottom Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing the bottom of a body of water.
<u>allowed values:</u> Bedrock Other Sand and Gravel			Clay and Silt Peat Sand over Mud			Gravel and Cobble Rocks and Boulders Silty Sands No Information Sand Soil
Canopy Cover	1	-999999	REAL	Percent	0	The fraction of canopy cover within a defined area during the season of maximum foliage. [Description] The canopy is formed by the upper branches of the trees in a forest forming a more or less continuous layer.
<u>allowed values:</u> -999999						
New Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre		The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<u>allowed values:</u> -999999						
New Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density		The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<u>allowed values:</u> -999999						
New Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre		The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<u>allowed values:</u> -999999						
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	ED020	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> ED020						
Foliage Type	1	No Information	Enumeration	Unitless	0	The predominant foliage type of the vegetation.
<u>allowed values:</u> Deciduous Other			Evergreen			Mixed No Information
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.

	<u>allowed values:</u> -999999					
Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
	<u>allowed values:</u> -999999					
Hydrologic Persistence	1	No Information	Enumeration	Unitless		The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<u>allowed values:</u> Dry Perennial		Ephemeral		Intermittent	No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999					
New Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre		The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<u>allowed values:</u> -999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information					
New Water Resource Information : pH of Water	1	-999999	Real	Milligrams per Litre		The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<u>allowed values:</u> -999999					
Predominant Maximum Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	<u>allowed values:</u> [-999999, -999999]		No Information			
Predominant Minimum Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	<u>allowed values:</u> [-999999, -999999]		No Information			
Predominant Vegetation Height	1	-999999	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the vegetation.
	<u>allowed values:</u> -999999					
Predominant Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	<u>allowed values:</u> [-999999, -999999]		No Information			
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<u>allowed values:</u> U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Stem Diameter	1	[-999999, -999999]	REAL_Interval	Decimetre	0	The average diameter of the tree trunks in an area, measured at a height of approximately 1.5 metres or 4.5 feet on the high side (if on a hillside) above the surface of the ground. [Description] Commonly referred to as the 'diameter at breast height' (dbh). For trees up to 2 metres high, the stem diameter is measured at the mid-point between the ground and the stem tip.
allowed values:	[-999999, -999999] Greater-than Semi-interval Less-than Semi-interval		-999999 Greater-than to Less-than-or-equal Interval No Information		Closed Interval Greater-than-or-equal to Less-than Interval Open Interval Greater-than or Equal Semi-interval Less-than or Equal Semi-interval	
Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre		The mass of sulfate ions per volume of solution.
allowed values:	-999999					
Water Resource Information : Temperature	1	-999999	Real	Degree Celsius		The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
allowed values:	-999999					
Tide Influenced	1	No Information	Boolean	Unitless	0	An indication that a waterbody is affected by the tide.
allowed values:	False		No Information		True	
Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre		The total mass of dissolved inorganic chemical constituents per volume of solution.
allowed values:	-999999					
Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units		The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
allowed values:	-999999					

	Undergrowth Density	1	[-999999, -999999]	REAL_Interval	Percent	0	The fraction of land within a defined area that is covered by undergrowth (for example: scrub, brush, and/or bush).	
	<i>allowed values:</i>	[-999999, -999999] Greater-than to Less-than-or-equal Interval Open Interval		Closed Interval Greater-than-or-equal to Less-than Interval		Greater-than or Equal Semi-interval Less-than or Equal Semi-interval		Greater-than Semi-interval Less-than Semi-interval
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
	<i>allowed values:</i>	No Information						
	Vegetation Species	3	No Information	Enumeration	Unitless	0	The predominant species of a tract of vegetation.	
	<i>allowed values:</i>	Cypress Other		Mangrove		Nipa		No Information
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime		The electrical conductivity of water.	
	<i>allowed values:</i>	-999999						
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre		The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.	
	<i>allowed values:</i>	-999999						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless		The potability of water based on the type of treatment required before it is safe for human consumption.	
	<i>allowed values:</i>	Contaminated Potable		No Information Treatable		Nonpotable		Other
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless		The type of available water based on its composition.	
	<i>allowed values:</i>	Alkaline Mineral Saline		Brackish No Information Seawater		Brine Not Applicable		Fresh Other
New	Water Resource Information : Water Use	1	No Information	Enumeration	Unitless		The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.	
	<i>allowed values:</i>	Agricultural Irrigation Institutional Other		Commercial Livestock Power Generation		Domestic Irrigation Municipal Recreational		Industrial No Information Sanitary Domestic
	Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	
	<i>allowed values:</i>	-999999						

Relationships: Swamp (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Swamp (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Swamp (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Swamp (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Swamp (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Swamp (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Swamp (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Swamp (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Swamp (Area 00) - is a member of group - Exactly one - VegetationSrf (FeatureGroup 00)

Feature SweptArea (Area 00) New ☐ Swept Area

A region that has been determined to be clear of navigational dangers to a specified depth.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Hydrographic Depth : Sounding Metadata : Bathymetric Measurement Quality Category	3	No Information	Enumeration	Unitless	0	A general evaluation of the qualities of a bathymetric measurement, as a category. [Description] Drying heights are typically captured using negative (bathymetric) sounding values; their certainty of measurement may be categorized in the same manner as positive values.
<i>allowed values:</i> Depth Doubtful Depth Known Depth Unknown Depth Unreliable Least Depth Maintained Depth No Bottom No Information <i>Not Applicable</i> Other Reported Depth Safe Clearance Known Unconfirmed Depth Unmaintained Depth						
Hydrographic Depth : Sounding Metadata : Bathymetric Measurement Technique	3	No Information	Enumeration	Unitless	0	The technique used to determine water depth(s).
<i>allowed values:</i> Area Swept by Side-scan Sonar Area Swept by Vertical Acoustic System Area Swept by Wire-drag Bathymetric LiDAR Computer Generated Diver Echo Sounder Electromagnetic Sensor Lead-line Levelling Multi-beam Echo Sounder No Information Other Photogrammetry Satellite Imagery Side-scan Sonar Singlebeam Underwater Utility Vehicle						
New Feature Code	1	FC177	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> FC177						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Hydrographic Depth	1	-999999	REAL	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Hydrographic Depth : Sounding Metadata : Sounding Datum	1	No Information	Enumeration	Unitless	0	The tidal datum to which soundings and drying heights are referenced. [Description] It is usually taken to correspond to a low water stage of the tide.
<i>allowed values:</i>						
Approximate Lowest Astronomical Tide			Approximate Mean Low Water			Approximate Mean Low Water Springs
Approximate Mean Sea Level			Chart Datum (Unspecified)			Equinoctial Spring Low Water
High Water Springs			Higher High Water			Higher High Water Large Tide
Highest High Water			Indian Spring High Water			Indian Spring Low Water
Local Datum			Low Water			Low Water Springs
Lower Low Water Large Tide			Lowest Astronomical Tide			Lowest Low Water
Mean High Water			Mean High Water Neaps			Mean High Water Springs
Mean Higher High Water Springs			Mean Low Water			Mean Low Water Neaps
Mean Lower Low Water			Mean Lower Low Water Springs			Mean Sea Level
Mean Water Level			Neap Tide			Nearly Highest High Water
No Information			Other			Spring Tide
Hydrographic Depth : Sounding Metadata : Sounding Datum Name	1	No Information	String	Unitless	80	The name of the tidal datum to which soundings and drying heights are referenced. [Description] Used when the sounding datum is known but not specified using Attribute: 'Sounding Datum'.
<i>allowed values:</i> No Information						

Hydrographic Depth : Sounding Metadata : Sounding Velocity Correction Method	1	No Information	Enumeration	Unitless	0	The method of correction that has been used to correct a sounding velocity instrument reading to obtain the correct depth.
<i>allowed values:</i> Mathews Tables No Information <i>Not Applicable</i> Other Sound Velocity Meter Sounder 1500 Calibrated Sounder 4800 Calibrated Sounder Other Calibrated						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Hydrographic Depth : Sounding Metadata : Vessel Draft Correction	1	No Information	Boolean	Unitless	0	An indication that a vessel draft correction has been applied.
<i>allowed values:</i> <i>False</i> No Information <i>True</i>						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: SweptArea (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
SweptArea (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
SweptArea (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
SweptArea (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
SweptArea (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)
SweptArea (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
SweptArea (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature SwimmingPool (Area 00)New ☐ **Swimming Pool****A man-made pool used for swimming outdoors.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre		The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999						
Average Water Depth	1	[-999999, - 999999]	Real_Interval	Metre		The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999, -999999] No Information						

New	Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre		The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density		The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<i>allowed values:</i> -999999						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre		The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i> -999999						
New	Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
	<i>allowed values:</i> -999999						
	Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AK170	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AK170						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
	Hydrologic Persistence	1	No Information	Enumeration	Unitless		The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<i>allowed values:</i> Dry Perennial			Ephemeral			Intermittent No Information
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre		The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<i>allowed values:</i> -999999						
New	Maximum Water Depth	1	-999999	Real	Metre		Maximum water depth the object was designed to hold.
	<i>allowed values:</i> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						

	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False		No Information				True
New	Water Resource Information : pH of Water	1	-999999	Real	Milligrams per Litre		The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<i>allowed values:</i> -999999						
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<i>allowed values:</i> U						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
	<i>allowed values:</i>						
	Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
	Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
	General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
	Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
	Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
	Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
	No Information			Other			Swedish Armed Forces (Sweden)
	Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
	U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
	U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
	U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
	U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
	U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
	U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
	U.S. Transportation Command (USTRANSCOM)						U.S. Northern Command (USNORTHCOM)
							U.S. Strategic Command (USSTRATCOM)
	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
	<i>allowed values:</i> No Information						
	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
	<i>allowed values:</i> No Information						
	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
	<i>allowed values:</i> No Information						
New	Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre		The mass of sulfate ions per volume of solution.
	<i>allowed values:</i> -999999						

New	Water Resource Information : Temperature	1	-999999	Real	Degree Celsius	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.	
	<i>allowed values:</i> -999999						
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	The total mass of dissolved inorganic chemical constituents per volume of solution.	
	<i>allowed values:</i> -999999						
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).	
	<i>allowed values:</i> -999999						
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<i>allowed values:</i> No Information						
	Volume	1	-999999	REAL	Cubic Metre	The volume of a feature. [Description] For example, the storage capacity of a water tower.	
	<i>allowed values:</i> -999999						
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	The electrical conductivity of water.	
	<i>allowed values:</i> -999999						
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.	
	<i>allowed values:</i> -999999						
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	The type of available water based on its composition.	
	<i>allowed values:</i> Alkaline Mineral Saline			Brackish No Information Seawater	Brine Not Applicable	Fresh Other	
New	Water Resource Information : Water Use	1	No Information	Enumeration	Unitless	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.	
	<i>allowed values:</i> Agricultural Irrigation Institutional Other			Commercial Livestock Power Generation	Domestic Irrigation Municipal Recreational	Industrial No Information Sanitary Domestic	
	Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: SwimmingPool (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
SwimmingPool (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
SwimmingPool (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
SwimmingPool (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
SwimmingPool (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
SwimmingPool (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
SwimmingPool (Area 00) - is a member of group - Exactly one - RecreationSrf (FeatureGroup 00)

Feature **SwimmingPool (Point 00)**New ☐ **Swimming Pool****A man-made pool used for swimming outdoors.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre		The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999						
Average Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999, -999999]			No Information			
New Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre		The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999						
New Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density		The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Military Other Private
New Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre		The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999						
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AK170	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK170						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Hydrologic Persistence	1	No Information	Enumeration	Unitless		The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i> Dry Perennial			Ephemeral			Intermittent No Information

	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre		The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<i>allowed values:</i> -999999						
New	Maximum Water Depth	1	-999999	Real	Metre		Maximum water depth the object was designed to hold.
	<i>allowed values:</i> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
New	Water Resource Information : pH of Water	1	-999999	Real	Milligrams per Litre		The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<i>allowed values:</i> -999999						
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<i>allowed values:</i> U						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
U.S. Transportation Command (USTRANSCOM)				
Restriction Information : Security Attributes Group (resource non-intelligence community markings)				
allowed values: No Information				
Restriction Information : Security Attributes Group (resource owner-producer)				
allowed values: No Information				
Specified Domain Values(s)				
allowed values: No Information				
Water Resource Information : Sulfate Concentration				
allowed values: -999999				
Water Resource Information : Temperature				
allowed values: -999999				
Water Resource Information : Total Dissolved Solids				
allowed values: -999999				
Water Resource Information : Turbidity				
allowed values: -999999				
Unique Entity Identifier				
allowed values: No Information				
Volume				
allowed values: -999999				

New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	The electrical conductivity of water.
	<i>allowed values:</i> -999999					
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<i>allowed values:</i> -999999					
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	The type of available water based on its composition.
	<i>allowed values:</i> Alkaline Mineral Saline			Brackish No Information Seawater	Brine Not Applicable	Fresh Other
New	Water Resource Information : Water Use	1	No Information	Enumeration	Unitless	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.
	<i>allowed values:</i> Agricultural Irrigation Institutional Other			Commercial Livestock Power Generation	Domestic Irrigation Municipal Recreational	Industrial No Information Sanitary Domestic
	Width	1	-999999	REAL	Metre	0
	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.					

allowed values: -999999

Relationships: SwimmingPool (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 SwimmingPool (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 SwimmingPool (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 SwimmingPool (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 SwimmingPool (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 SwimmingPool (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 SwimmingPool (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 SwimmingPool (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 SwimmingPool (Point 00) - is a member of group - Exactly one - RecreationPnt (FeatureGroup 00)

Feature TankFarm (Area 00)New ☐ Tank Farm

A tract of land occupied by large-capacity tanks in which petroleum, natural gas, or liquid petrochemicals are stored. [Description] The tanks are usually round, constructed from metal plates, and separated from each other by berms intended to contain any leakage.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State	Joint Military and Civilian Other		Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.

	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational	Operational
New	Feature Code	1	AM071	CONSTRAINED_ STRING	Unitless	5	Feature Code	
	<i>allowed values:</i> AM071							
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.	
	<i>allowed values:</i> Chemical Manufacture Petroleum Refining			No Information Power Generation			Other Transfer Hub	Petroleum and/or Gas Extraction Utilities
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.	
	<i>allowed values:</i> No Information							
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
	<i>allowed values:</i> -999999							
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
	<i>allowed values:</i> -999999							
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
	<i>allowed values:</i> -999999							
	Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.	
	<i>allowed values:</i> False			No Information			True	
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
	<i>allowed values:</i> No Information							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
	<i>allowed values:</i> No Information							
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
	<i>allowed values:</i> False			No Information			True	
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.	
	<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation	Intact Under Construction
	Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.	
	<i>allowed values:</i> Biodiesel Liquefied Petroleum Gas (LPG) Petroleum			Chemical No Information			Gas Other	Liquefied Natural Gas (LNG) Petrol

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: <i>U</i>						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:			Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) <i>No Information</i> Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) <i>Other</i> U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)
			Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)			Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: <i>No Information</i>						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: <i>No Information</i>						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: <i>No Information</i>						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: <i>No Information</i>						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values: <i>-999999</i>						
Wireless Telecommunication Information : Wireless Telecommunication Type	1	No Information	Enumeration	Unitless	0	The type of a wireless telecommunication service based on the mechanism(s) of transmission and/or the nature of the communication(s) supported. [Description] For example, radio broadcast or mobile phone service.

allowed values:	Cellular Phone	Microwave Radio Relay	Mobile Phone	No Information
	Other	Radio Broadcast	Radio Telephone	Radio-telegraph
	Television (TV)			

Relationships: TankFarm (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 TankFarm (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 TankFarm (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 TankFarm (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 TankFarm (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 TankFarm (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 TankFarm (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 TankFarm (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 TankFarm (Area 00) - is a member of group - Exactly one - StorageSrf (FeatureGroup 00)

Feature TankFarm (Point 00)New ☐ Tank Farm

A tract of land occupied by large-capacity tanks in which petroleum, natural gas, or liquid petrochemicals are stored. [Description] The tanks are usually round, constructed from metal plates, and separated from each other by berms intended to contain any leakage.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
allowed values: No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
allowed values: Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AM071	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: AM071						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
allowed values: Chemical Manufacture Petroleum Refining			No Information Power Generation			Other Transfer Hub Petroleum and/or Gas Extraction Utilities
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values: No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
allowed values: -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
allowed values: -999999						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.					
<u>allowed values:</u> -999999											
Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.					
<u>allowed values:</u> False											
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.					
<u>allowed values:</u> No Information											
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.					
<u>allowed values:</u> No Information											
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.					
<u>allowed values:</u> False											
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.					
	<u>allowed values:</u> Damaged No Information Unmaintained		Destroyed Ruined		Dismantled Site Preparation		Intact Under Construction				
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.					
<u>allowed values:</u> Biodiesel Liquefied Petroleum Gas (LPG) Petroleum		Chemical No Information		Gas Other		Liquefied Natural Gas (LNG) Petrol					
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.					
<u>allowed values:</u> U											
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.					
<u>allowed values:</u> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)			Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)			Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Wireless Telecommunication Information : Wireless Telecommunication Type	1	No Information	Enumeration	Unitless	0	The type of a wireless telecommunication service based on the mechanism(s) of transmission and/or the nature of the communication(s) supported. [Description] For example, radio broadcast or mobile phone service.
<i>allowed values:</i> Cellular Phone Other Television (TV)			Microwave Radio Relay Radio Broadcast		Mobile Phone Radio Telephone	No Information Radio-telegraph

Relationships: TankFarm (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 TankFarm (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 TankFarm (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 TankFarm (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 TankFarm (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 TankFarm (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 TankFarm (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 TankFarm (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 TankFarm (Point 00) - is a member of group - Exactly one - StoragePnt (FeatureGroup 00)

Feature Taxiway (Area 00)

New ☐ Taxiway

A defined path at an aerodrome established for the taxiing of aircraft and intended to provide a ground movement link between one part of the aerodrome and another.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aerodrome Pavement Information : Aerodrome Movement Area Surface Category	1	No Information	Enumeration	Unitless	0	The level of preparation of the aerodrome movement area surface, as a category. [Description] Common category types may range from natural to completely paved.
<i>allowed values:</i> Completely Paved Partially Paved			Mostly Paved Unpaved		No Information Unprepared	Other

Aerodrome Pavement Information : Aerodrome Movement Area Surface Composition	3	No Information	Enumeration	Unitless	0	The type of the predominant material of which a surface of the movement area is composed. [Description] Example surfaces include: asphalt, concrete, or grass.
allowed values: Asphalt Clay Gravel Macadam Other Stone			Asphalt Over Concrete Concrete Ice Membrane Pierced Steel Planking Water			Bituminous Mix Coral Landing Mat No Information Sand Wood Brick Earthen Laterite Non-bituminous Mix Snow
Aerodrome Pavement Information : Aerodrome Movement Area Surface Preparation Method	3	No Information	Enumeration	Unitless	0	The preparation technique(s) applied to a surface composition.
allowed values: Aggregate Seal Coat No Information Rolled			Graded Oiled Rubberized Seal Coat			Grass Other Grooved Porous Friction Course
Aerodrome Pavement Information : Aerodrome Pavement Functional Status	1	No Information	Enumeration	Unitless	0	The functional status of the pavement of an aerodrome movement area. [Description] An aerodrome movement area is that part of an aerodrome to be used for aircraft movement operations, consisting of the manoeuvring area and the apron(s).
allowed values: Fair No Information Unserviceable			Fair Estimated Poor			Good Poor Estimated Good Estimated Under Construction
Aerodrome Surface Status	1	No Information	Enumeration	Unitless	0	The operational status of an aerodrome movement area, as a category. [Description] For example: serviceable, unserviceable, closed, or work-in-progress.
allowed values: Closed Work in Progress			No Information			Open Parked or Disabled Aircraft
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Deck Level	1	-999999	REAL	Unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value.
allowed values: -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	GB075	CONSTRAINED_ STRING	Unitless	5	Feature Code
allowed values: GB075						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values: No Information						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
allowed values: -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

allowed values:	-999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
allowed values:	No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
allowed values:	No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.	
allowed values:	Damaged No Information Unmaintained		Destroyed Ruined		Dismantled Site Preparation		Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
allowed values:	U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:	No Information						
Taxiway Type	1	No Information	Enumeration	Unitless	0	The type of an aircraft taxiway based on its connectivity to other aerodrome ground surfaces.	
allowed values:	Air Taxiway Helicopter Ground Taxiway No Information Rapid Exit and/or Turnoff Taxiway		Aircraft Stand Taxilane Lead-in Taxilane Other Stub Taxiway		Apron Taxiway Lead-out Taxilane Parallel Taxiway Turnaround Taxiway		Dispersal Loop Perimeter

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Taxiway (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Taxiway (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Taxiway (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Taxiway (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Taxiway (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Taxiway (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Taxiway (Area 00) - is a member of group - Exactly one - AeronauticSrf (FeatureGroup 00)

Feature Taxiway (Line 00)

New ☐ Taxiway

A defined path at an aerodrome established for the taxiing of aircraft and intended to provide a ground movement link between one part of the aerodrome and another.

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

<i>allowed values:</i> Fair No Information Unserviceable			Fair Estimated Poor			Good Poor Estimated	Good Estimated Under Construction
Aerodrome Surface Status	1	No Information	Enumeration	Unitless	0	The operational status of an aerodrome movement area, as a category. [Description] For example: serviceable, unserviceable, closed, or work-in-progress.	
<i>allowed values:</i> Closed Work in Progress			No Information			Open	Parked or Disabled Aircraft
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.	
<i>allowed values:</i> -999999							
Deck Level	1	-999999	REAL	Unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value.	
<i>allowed values:</i> -999999							
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.	
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational	Operational
New Feature Code	1	GB075	CONSTRAINED_STRING	Unitless	5	Feature Code	
<i>allowed values:</i> GB075							
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.	
<i>allowed values:</i> No Information							
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<i>allowed values:</i> -999999							
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information							
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.	
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation	Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i> U							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Taxiway Type	1	No Information	Enumeration	Unitless	0	The type of an aircraft taxiway based on its connectivity to other aerodrome ground surfaces.
allowed values:	Air Taxiway Helicopter Ground Taxiway No Information Rapid Exit and/or Turnoff Taxiway		Aircraft Stand Taxilane Lead-in Taxilane Other Stub Taxiway		Apron Taxiway Lead-out Taxilane Parallel Taxiway Turnaround Taxiway	Dispersal Loop Perimeter
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: Taxiway (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Taxiway (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Taxiway (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Taxiway (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Taxiway (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Taxiway (Line 00) - is a member of group - Exactly one - AeronauticCrv (FeatureGroup 00)

Feature TestSite (Area 00)

 New ☐ Test Site

A site for the testing of technical products and equipment.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	FA100	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> FA100						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: TestSite (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 TestSite (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 TestSite (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 TestSite (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 TestSite (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 TestSite (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 TestSite (Area 00) - is a member of group - Exactly one - MilitarySrf (FeatureGroup 00)

Feature TetheredBalloon (Point 00)

New ☐ Tethered Balloon

A balloon that is tethered to the ground at an anchoring device (for example: a ring and pad) or substantial structure (for example: a mooring tower). [Description] It is usually deployed for extended periods of time and may be used, for example, for weather sensing and/or observation of the surrounding terrain.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> <i>False</i>			<i>No Information</i>			<i>True</i>
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> <i>No Information</i> <i>Partially Operational</i>			<i>Non-operational</i> <i>Planned</i>			<i>Not in Operation</i> <i>Temporarily Non-operational</i> <i>Operational</i>
New Feature Code	1	AL510	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> <i>AL510</i>						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> <i>No Information</i>						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> <i>-999999</i>						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> <i>-999999</i>						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> <i>No Information</i>						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> <i>No Information</i>						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> <i>False</i>			<i>No Information</i>			<i>True</i>
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> <i>Damaged</i> <i>No Information</i> <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>			<i>Dismantled</i> <i>Site Preparation</i> <i>Intact</i> <i>Under Construction</i>
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> <i>U</i>						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
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Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.

allowed values: No Information

Relationships: TetheredBalloon (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 TetheredBalloon (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 TetheredBalloon (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 TetheredBalloon (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 TetheredBalloon (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 TetheredBalloon (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 TetheredBalloon (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 TetheredBalloon (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 TetheredBalloon (Point 00) - is a member of group - Exactly one - AeronauticPnt (FeatureGroup 00)

Feature Thicket (Area 00)

New ☐ Thicket

A tract covered mainly by low-growing, uncultured, woody plants that are thickly tangled together. [Description] For example, covered by brushwood and/or stunted trees. The predominant height may be up to 6-8 metres.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	EB020	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> EB020						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Predominant Vegetation Height	1	-999999	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the vegetation.
<u>allowed values:</u> -999999						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Undergrowth Density	1	[-999999, -999999]	REAL_Interval	Percent	0	The fraction of land within a defined area that is covered by undergrowth (for example: scrub, brush, and/or bush).
allowed values:	[-999999, -999999] <i>Greater-than to Less-than-or-equal Interval</i> <i>Open Interval</i>		<i>Closed Interval</i> <i>Greater-than-or-equal to Less-than Interval</i>		<i>Greater-than or Equal Semi-interval</i> <i>Less-than or Equal Semi-interval</i> <i>Greater-than Semi-interval</i> <i>Less-than Semi-interval</i>	
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vegetation Characteristic	1	No Information	Enumeration	Unitless	0	The type of a vegetated area based on species, biome, physiography and/or structural organization.
allowed values:	Brush Other		Grassland with Trees		Meadow	No Information
Vegetation Trafficability Impact	1	[-999999, -999999]	Real_Interval	Percent		The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
allowed values:	[-999999, -999999]					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Thicket (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Thicket (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Thicket (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Thicket (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Thicket (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Thicket (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Thicket (Area 00) - is a member of group - Exactly one - VegetationSrf (FeatureGroup 00)
 Thicket (Area 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Thicket (Area 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature TidalStreamObserveStation (Point 00)New ☐ Tidal Stream Observation Station**The location at which a set of tidal stream observations was taken.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	BG030	CONSTRAINED_ STRING	Unitless	5	Feature Code
<u>allowed values:</u> BG030						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Reference Water Level	1	No Information	Enumeration	Unitless	0	The reference water level from which temporal offsets in a time-series of measurements (for example: current speed or current direction) are determined.
<u>allowed values:</u> High Tide			Low Tide			No Information
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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TidalStreamObserveStation (Point 00)

allowed values:	Army Geographic Agency (Netherlands)	Defence Acquisition and Logistics Organization (Denmark)	General Command of Mapping (Turkey)	Army Geographic Centre (Spain)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Geographic Service (Belgium)	Army Geographic Institute (Portugal)	Defence Imagery and Geospatial Organisation (Australia)	Geographic Service of the Czech Armed Forces (Czech Republic)	Joint Geography Bureau (France)	Military Geographic Service (Norway)	Military Topographic Service (Bulgaria)	Swedish Armed Forces (Sweden)	U.S. Air Force	U.S. Central Intelligence Agency (CIA)	U.S. Department of Homeland Security (DHS)	U.S. Geological Survey (USGS)	U.S. National Geospatial-Intelligence Agency (NGA)	Bundeswehr Geoinformation Office (Germany)	Defense Information Security (Italy)	Geospatial Information Agency (Latvia)	Mapping and Charting Establishment (Canada)	Military Geography Division (Poland)	National Army Topographic Service (Moldova)	Topographic Institute (Slovakia)	U.S. Army	U.S. Coast Guard	U.S. Department of State	U.S. Joint Forces Command (USJFCOM)	U.S. National Oceanic and Atmospheric Administration	U.S. Northern Command (USNORTHCOM)	U.S. Strategic Command (USSTRATCOM)
	Geospatial Intelligence Organisation (New Zealand)	Mapping Service (Hungary)	Military Mapping Centre (Lithuania)	No Information	Topographic Service (Finland)	U.S. Army Geospatial Center (AGC)	U.S. Defense Intelligence Agency (DIA)	U.S. European Command (USEUCOM)	U.S. Marine Corps	U.S. National Reconnaissance Office (NRO)	U.S. Pacific Command (PACOM)	U.S. Transportation Command (USTRANSCOM)	Hellenic Military Geographic Service (Greece)	Military Geographic Group (Estonia)	Military Topographic Directorate (Romania)	Other	U.S. Africa Command (USAFRICOM)	U.S. Central Command (USCENTCOM)	U.S. Department of Energy (DOE)	U.S. Federal Bureau of Investigation (FBI)	U.S. National Civil Applications Program (NCAP)	U.S. National Security Agency (NSA)	U.S. Southern Command (USSOUTHCOM)									
	Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.																								
	allowed values:	No Information																														
	Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.																								
	allowed values:	No Information																														
	Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.																								
	allowed values:	No Information																														
	Tidal Current Direction		1	-999999	REAL	Arc Degree	0	The tidal current direction at the time of the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level.																								
allowed values:	-999999																															
Tidal Current Direction 1 Hour After		1	-999999	REAL	Arc Degree	0	The tidal current direction 1 hour after the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.																									
allowed values:	-999999																															
Tidal Current Direction 1 Hour Before		1	-999999	REAL	Arc Degree	0	The tidal current direction 1 hour before the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.																									
allowed values:	-999999																															
Tidal Current Direction 2 Hours After		1	-999999	REAL	Arc Degree	0	The tidal current direction 2 hours after the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.																									
allowed values:	-999999																															
Tidal Current Direction 2 Hours Before		1	-999999	REAL	Arc Degree	0	The tidal current direction 2 hours before the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.																									
allowed values:	-999999																															
Tidal Current Direction 3 Hours After		1	-999999	REAL	Arc Degree	0	The tidal current direction 3 hours after the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.																									
allowed values:	-999999																															
Tidal Current Direction 3 Hours Before		1	-999999	REAL	Arc Degree	0	The tidal current direction 3 hours before the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.																									
allowed values:	-999999																															
Tidal Current Direction 4 Hours After		1	-999999	REAL	Arc Degree	0	The tidal current direction 4 hours after the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.																									
allowed values:	-999999																															

Tidal Current Direction 4 Hours Before	1	-999999	REAL	Arc Degree	0	The tidal current direction 4 hours before the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<u>allowed values:</u> -999999						
Tidal Current Direction 5 Hours After	1	-999999	REAL	Arc Degree	0	The tidal current direction 5 hours after the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<u>allowed values:</u> -999999						
Tidal Current Direction 5 Hours Before	1	-999999	REAL	Arc Degree	0	The tidal current direction 5 hours before the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<u>allowed values:</u> -999999						
Tidal Current Direction 6 Hours After	1	-999999	REAL	Arc Degree	0	The tidal current direction 6 hours after the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<u>allowed values:</u> -999999						
Tidal Current Speed	1	-999999	REAL	Knot	0	The tidal current speed at the time of the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level.
<u>allowed values:</u> -999999						
Tidal Current Speed 1 Hour After	1	-999999	REAL	Knot	0	The tidal current speed 1 hour after the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<u>allowed values:</u> -999999						
Tidal Current Speed 1 Hour Before	1	-999999	REAL	Knot	0	The tidal current speed 1 hour before the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<u>allowed values:</u> -999999						
Tidal Current Speed 2 Hours After	1	-999999	REAL	Knot	0	The tidal current speed 2 hours after the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<u>allowed values:</u> -999999						
Tidal Current Speed 2 Hours Before	1	-999999	REAL	Knot	0	The tidal current speed 2 hours before the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<u>allowed values:</u> -999999						
Tidal Current Speed 3 Hours After	1	-999999	REAL	Knot	0	The tidal current speed 3 hours after the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<u>allowed values:</u> -999999						
Tidal Current Speed 3 Hours Before	1	-999999	REAL	Knot	0	The tidal current speed 3 hours before the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<u>allowed values:</u> -999999						
Tidal Current Speed 4 Hours After	1	-999999	REAL	Knot	0	The tidal current speed 4 hours after the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<u>allowed values:</u> -999999						
Tidal Current Speed 4 Hours Before	1	-999999	REAL	Knot	0	The tidal current speed 4 hours before the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<u>allowed values:</u> -999999						
Tidal Current Speed 5 Hours After	1	-999999	REAL	Knot	0	The tidal current speed 5 hours after the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<u>allowed values:</u> -999999						
Tidal Current Speed 5 Hours Before	1	-999999	REAL	Knot	0	The tidal current speed 5 hours before the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<u>allowed values:</u> -999999						
Tidal Current Speed 6 Hours After	1	-999999	REAL	Knot	0	The tidal current speed 6 hours after the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<u>allowed values:</u> -999999						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: TidalStreamObserveStation (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 TidalStreamObserveStation (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 TidalStreamObserveStation (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 TidalStreamObserveStation (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 TidalStreamObserveStation (Point 00) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup 00)
 TidalStreamObserveStation (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 TidalStreamObserveStation (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature TidalWater (Area 00)New ☐ Tidal Water**Any water the level of which changes periodically due to tidal action.**

	Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
	Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
	<u>allowed values:</u> -999999						
	Average Water Depth	1	[-999999,-999999]	REAL_INTERVAL	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	<u>allowed values:</u> [-999999,-999999]						
	Bottom Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing the bottom of a body of water.
	<u>allowed values:</u> Bedrock Masonry Peat Silty Sands			Clay and Silt No Information Reinforced Concrete Soil			Concrete Other Rocks and Boulders Gravel and Cobble Paved Sand and Gravel
New	Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<u>allowed values:</u> -999999						
New	Feature Code	1	BA040	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u> BA040						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
	Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Other			Historical Transliterated Provisional			Native Transliterated Unverified Transliterated No Information Variant Transliterated
	Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
	<u>allowed values:</u> -999999						

Hydrologic Persistence	1	No Information	Enumeration	Unitless		The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i>	Dry Perennial		<i>Ephemeral</i>			Intermittent No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i>	-999999					
New Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i>	-999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i>	No Information					
New Water Resource Information : pH of Water	1	-999999	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i>	-999999					
Predominant Maximum Water Depth	1	[-999999,-999999]	Real_Interval	Metre	0	The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i>	(0.8, 1.6] [-999999,-999999]		(1.6, 2.4]		(2.4, INFINITY)	(-INFINITY, 0.8]
Predominant Minimum Water Depth	1	[-999999,-999999]	Real_Interval	Metre	0	The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i>	(0.8, 1.6] [-999999,-999999]		(1.6, 2.4]		(2.4, INFINITY)	(-INFINITY, 0.8]
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i>	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
New Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
allowed values: -999999						
New Water Resource Information : Temperature	1	-999999	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
allowed values: -999999						
New Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
allowed values: -999999						
New Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
allowed values: -999999						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
New Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	0	The electrical conductivity of water.
allowed values: -999999						

New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<i>allowed values:</i> -999999						
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless		The type of available water based on its composition.
	<i>allowed values:</i> Alkaline Mineral Saline			Brackish No Information Seawater		Brine Not Applicable	Fresh Other
	Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: TidalWater (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 TidalWater (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 TidalWater (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 TidalWater (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 TidalWater (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 TidalWater (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 TidalWater (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 TidalWater (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 TidalWater (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)

Feature Tomb (Area 00)New ☐ Tomb

A structure within which a corpse is entombed. [Description] It is often a building-like structure that may be partly or wholly underground (except for its entrance), but may be a simple enclosure cut into solid rock (for example: into a cliff face or inside of a cave). It may contain a single corpse or a related group (for example: a family) may be entombed together.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition	
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.	
<i>allowed values:</i> -999999							
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.	
<i>allowed values:</i> -999999							
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).	
<i>allowed values:</i>		Civilian National State	International No Information	Joint Military and Civilian Other	Military Private		
New	Deepest Depth Below Surface Level	1	-999999	Real	Metre	The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.	
<i>allowed values:</i> -999999							
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.	
<i>allowed values:</i>		No Information Partially Operational	Non-operational Planned	Not in Operation Temporarily Non-operational	Operational		
New	Feature Code	1	AL036	CONSTRAINED_ STRING	Unitless	5	Feature Code

<i>allowed values:</i> AL036						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Height of Object	1	-999999	REAL	Metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i> Accurate						
Least Depth Below Surface Level	1	-999999	Approximate			Doubtful
			Real	Metre		No Information
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
Physical Condition	1	No Information	No Information		True	
			Enumeration		Unitless	
<i>allowed values:</i> Damaged						
<i>allowed values:</i> No Information						
<i>allowed values:</i> Unmaintained						
<i>allowed values:</i> Destroyed						
<i>allowed values:</i> Ruined						
<i>allowed values:</i> Dismantled						
<i>allowed values:</i> Site Preparation						
<i>allowed values:</i> Intact						
<i>allowed values:</i> Under Construction						
Religious Information : Religious Designation	1	No Information	Enumeration	Unitless	0	A designation denoting a religion or system of belief.
<i>allowed values:</i> Buddhism						
<i>allowed values:</i> Islam						
<i>allowed values:</i> Orthodox						
<i>allowed values:</i> Shia						
<i>allowed values:</i> Chaldean						
<i>allowed values:</i> Judaism						
<i>allowed values:</i> Other						
<i>allowed values:</i> Shinto						
<i>allowed values:</i> Christian						
<i>allowed values:</i> Nestorian						
<i>allowed values:</i> Protestant						
<i>allowed values:</i> Sunni						
<i>allowed values:</i> Hinduism						
<i>allowed values:</i> No Information						
<i>allowed values:</i> Roman Catholic						

Restriction Information : Security Attributes Group (resource classification)		1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U							
Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information							
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information							
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information							
Structure Shape		1	No Information	Enumeration	Unitless	0	The geometric form, appearance, and/or configuration of the feature as a whole.
allowed values:	Arched No Information Pyramidal		Columnar Obelisk Spherical		Cross Other Statue		Multiple Arched Plaque Statue on Pedestal
Tomb Type		1	No Information	Enumeration	Unitless	0	The type of structure within which a corpse is entombed based on its method of construction, location, and/or occupancy.
allowed values:	Burial Mound Crypt Surface Vault		Catacomb Mausoleum		Cave No Information		Columbarium Other
Unique Entity Identifier		1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information							

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Tomb (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
Tomb (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
Tomb (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
Tomb (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
Tomb (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
Tomb (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
Tomb (Area 00) - is a member of group - Exactly one - CultureSrf (FeatureGroup 00)
Tomb (Area 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature Tomb (Point 00)

New ☐ Tomb

A structure within which a corpse is entombed. [Description] It is often a building-like structure that may be partly or wholly underground (except for its entrance), but may be a simple enclosure cut into solid rock (for example: into a cliff face or inside of a cave). It may contain a single corpse or a related group (for example: a family) may be entombed together.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National State			International No Information			Joint Military and Civilian Other Military Private
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL036	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL036						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						

Height of Object	1	-999999	REAL	Metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i> Accurate			Approximate			Doubtful
<i>allowed values:</i> Accurate						No Information
New Least Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged			Destroyed			Dismantled
<i>allowed values:</i> Damaged			Ruined			Intact
<i>allowed values:</i> Damaged						Site Preparation
<i>allowed values:</i> Damaged						Under Construction
<i>allowed values:</i> Damaged						
Religious Information : Religious Designation	1	No Information	Enumeration	Unitless	0	A designation denoting a religion or system of belief.
<i>allowed values:</i> Buddhism			Chaldean			Christian
<i>allowed values:</i> Buddhism			Judaism			Hinduism
<i>allowed values:</i> Buddhism			Other			No Information
<i>allowed values:</i> Buddhism			Shinto			Roman Catholic
<i>allowed values:</i> Buddhism						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:	No Information						
Structure Shape	1	No Information	Enumeration	Unitless	0	The geometric form, appearance, and/or configuration of the feature as a whole.	
allowed values:	Arched No Information Pyramidal		Columnar Obelisk Spherical			Cross Other Statue	Multiple Arched Plaque Statue on Pedestal
Tomb Type	1	No Information	Enumeration	Unitless	0	The type of structure within which a corpse is entombed based on its method of construction, location, and/or occupancy.	
allowed values:	Burial Mound Crypt Surface Vault		Catacomb Mausoleum			Cave No Information	Columbarium Other
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values:	No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	
allowed values:	No Information						

Relationships: Tomb (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Tomb (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Tomb (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Tomb (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Tomb (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Tomb (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Tomb (Point 00) - is a member of group - Exactly one - CulturePnt (FeatureGroup 00)
 Tomb (Point 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Tomb (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature Tower (Area 00)New ☐ Tower

A relatively tall, narrow structure that may either stand alone or may form part of another structure. [Description] Usually of a square, circular, or rectangular cross-section.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Cable Type	1	No Information	Enumeration	Unitless		The type of a cable based on its use.
<i>allowed values:</i> Barrier Fibre-optic Other Telephone			Cableway Guide Power Line Tethering			Communication Line Load Bearing Restraining Towing Digital Communication Line No Information Telegraph Transmission Line
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National State			International No Information			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL241	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL241						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Guyed	1	No Information	Boolean	Unitless	0	An indication that an object is guided, secured, or steadied by guy wires.
<i>allowed values:</i> False			No Information			True
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Height of Object	1	-999999	REAL	Metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> -999999						

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Pylon Configuration	1	No Information	Enumeration	Unitless	0	The configuration of a pylon or pole.
<i>allowed values:</i> 'A' Other			'H' 'T'		'I' 'Y'	No Information
Pylon Material	1	No Information	Enumeration	Unitless	0	The primary type of material composing a pylon. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Aluminum Masonry Steel			Concrete Metal Wood		Fibreglass No Information	Iron Other
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
allowed values:	Conical No Information Sawtoothed With Turret		Domed Other Semi-cylindrical		Flat Pitched With Clerestory	Flat with Parapet Pyramidal With Tower
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.
allowed values:	False		No Information		True	
Tower Shape	1	No Information	Enumeration	Unitless	0	The general shape and/or structure of a tower.
allowed values:	Mast Truss		No Information Tubular		Other	Pole
Tower Type	3	No Information	Enumeration	Unitless	0	The type of a tower based on its intended use(s).
allowed values:	Drop Tower Lookout Tower Solar Power Tower		Fire Tower No Information Telecommunication Tower		Guard Tower Observation Tower	Industrial Tower Other
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.

allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

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

Relationships: Tower (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Tower (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Tower (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Tower (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Tower (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Tower (Area 00) - is a member of group - Exactly one - StructureSrf (FeatureGroup 00)

Feature Tower (Point 00)New ☐ Tower

A relatively tall, narrow structure that may either stand alone or may form part of another structure. [Description] Usually of a square, circular, or rectangular cross-section.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<u>allowed values:</u>			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u>						
Cable Type	1	No Information	Enumeration	Unitless		The type of a cable based on its use.
<u>allowed values:</u>			Barrier	Cableway		Communication Line
			Fibre-optic	Guide		Load Bearing
			Other	Power Line		Restraining
			Telephone	Tethering		Towing
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u>			Civilian	International		Joint Military and Civilian
			National	No Information		Other
			State			Military
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u>			No Information	Non-operational		Not in Operation
			Partially Operational	Planned		Temporarily Non-operational
New Feature Code	1	AL241	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u>						AL241
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u>						No Information

Guyed	1	No Information	Boolean	Unitless	0	An indication that an object is guided, secured, or steadied by guy wires.
<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> <i>-999999</i>						
Height of Object	1	-999999	REAL	Metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> <i>-999999</i>						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> <i>-999999</i>						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> <i>-999999</i>						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> <i>No Information</i>						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> <i>No Information</i>						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> <i>Damaged</i> <i>No Information</i> <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>			<i>Dismantled</i> <i>Site Preparation</i> <i>Intact</i> <i>Under Construction</i>
Pylon Configuration	1	No Information	Enumeration	Unitless	0	The configuration of a pylon or pole.
<i>allowed values:</i> 'A' Other			'H' 'T'			'I' 'Y' No Information
Pylon Material	1	No Information	Enumeration	Unitless	0	The primary type of material composing a pylon. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Aluminum Masonry Steel			Concrete Metal Wood			Fibreglass No Information Iron Other
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> <i>U</i>						

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
allowed values:	<div> Conical No Information Sawtoothed With Turret </div> <div> Domed Other Semi-cylindrical </div> <div> Flat Pitched With Clerestory </div> <div> Flat with Parapet Pyramidal With Tower </div>					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.
allowed values:	False					True
Tower Shape	1	No Information	Enumeration	Unitless	0	The general shape and/or structure of a tower.
allowed values:	<div> Mast Truss </div> <div> No Information Tubular </div> <div> Other </div> <div> Pole </div>					
Tower Type	3	No Information	Enumeration	Unitless	0	The type of a tower based on its intended use(s).
allowed values:	<div> Drop Tower Lookout Tower Solar Power Tower </div> <div> Fire Tower No Information Telecommunication Tower </div> <div> Guard Tower Observation Tower </div> <div> Industrial Tower Other </div>					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

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

Relationships: Tower (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Tower (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Tower (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Tower (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Tower (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Tower (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Tower (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Tower (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Tower (Point 00) - is a member of group - Exactly one - StructurePnt (FeatureGroup 00)

Feature TrafficLight (Point 00)New ☐ Traffic Light

A set of automatic lights (usually red, amber, and green) for controlling road traffic, especially at a road intersection. [Description] Usually attached to tall poles or suspended from overhead cables.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u>			Non-operational Planned			Not in Operation Temporarily Non-operational
						<i>Operational</i>

New

Feature Code	1	AQ160	CONSTRAINED_STRING	Unitless	5	Feature Code
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allowed values: AQ160

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

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
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allowed values: -999999

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
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allowed values: -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
allowed values: Damaged No Information Unmaintained Destroyed Ruined Dismantled Site Preparation Intact Under Construction						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values: Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Relationships: TrafficLight (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 TrafficLight (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 TrafficLight (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 TrafficLight (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 TrafficLight (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 TrafficLight (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)

Feature TrafficSeparationScheme (Area 00)

New ☐ Traffic Separation Scheme

A maritime routing measure that separates opposing streams of traffic by appropriate means. [Description] For example, traffic lanes and traffic circles. Often referred to by its acronym, TSS.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> Civilian Other			International			National No Information
Direction of Flow	1	-999999	REAL	Arc Degree	0	The bearing of movement or direction of the flow.
<u>allowed values:</u> -999999						
New Feature Code	1	FC041	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> FC041						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
IMO Adopted	1	No Information	Boolean	Unitless	0	An indication that a Traffic Separation Scheme (TSS) has been adopted by the International Maritime Organization (IMO).
<u>allowed values:</u> False			No Information			True
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Maritime Navigation Marked	1	No Information	Boolean	Unitless	0	An indication that a feature is significant to maritime safety of navigation and is marked (for example: by a light or beacon) by a maritime-specific navigational aid. [Description] Mariners may also use other prominent features (for example: rotating aeronautical beacons or lighted structures) for informal navigational purposes.
<u>allowed values:</u> FALSE			No Information			TRUE
Maritime Traffic Separation Scheme Component	1	No Information	Enumeration	Unitless	0	The type of a component of a maritime Traffic Separation Scheme (TSS) based on its purpose. [Description] A TSS is a routing scheme whose intent is to reduce the risk of collision in congested and/or converging areas by separating traffic moving in opposite, or nearly opposite, directions.

<i>allowed values:</i>	Boundary Lane Part Outbound Lane Separation Zone		Crossing Line Point		Inbound Lane No Information Precautionary Area	Inshore Traffic Zone Other Roundabout
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i>	No Information					
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i>	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)					
	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)					
	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)					
	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i>	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i>	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i>	No Information					
TSS-associated Aids to Navigation	1	No Information	String	Unitless	2E+09	A description of marked navigational aids that are either associated with or supporting a maritime Traffic Separation Scheme (TSS).
<i>allowed values:</i>	No Information					

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: TrafficSeparationScheme (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 TrafficSeparationScheme (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 TrafficSeparationScheme (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 TrafficSeparationScheme (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 TrafficSeparationScheme (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)
 TrafficSeparationScheme (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 TrafficSeparationScheme (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature TrafficSeparationScheme (Line 00)

New ☐ Traffic Separation Scheme

A maritime routing measure that separates opposing streams of traffic by appropriate means. [Description] For example, traffic lanes and traffic circles. Often referred to by its acronym, TSS.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u>			Civilian Other International National No Information			
Direction of Flow	1	-999999	REAL	Arc Degree	0	The bearing of movement or direction of the flow.
<u>allowed values:</u>			-999999			
New Feature Code	1	FC041	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u>			FC041			
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u>			No Information			
IMO Adopted	1	No Information	Boolean	Unitless	0	An indication that a Traffic Separation Scheme (TSS) has been adopted by the International Maritime Organization (IMO).
<u>allowed values:</u>			False No Information True			
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u>			-999999			
Maritime Navigation Marked	1	No Information	Boolean	Unitless	0	An indication that a feature is significant to maritime safety of navigation and is marked (for example: by a light or beacon) by a maritime-specific navigational aid. [Description] Mariners may also use other prominent features (for example: rotating aeronautical beacons or lighted structures) for informal navigational purposes.
<u>allowed values:</u>			FALSE No Information TRUE			

Maritime Traffic Separation Scheme Component	1	No Information	Enumeration	Unitless	0	The type of a component of a maritime Traffic Separation Scheme (TSS) based on its purpose. [Description] A TSS is a routing scheme whose intent is to reduce the risk of collision in congested and/or converging areas by separating traffic moving in opposite, or nearly opposite, directions.
allowed values:						Boundary Lane Part Outbound Lane Separation Zone Crossing Line Point Inbound Lane No Information Precautionary Area Inshore Traffic Zone Other Roundabout
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values:	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values:	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:						Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
TSS-associated Aids to Navigation	1	No Information	String	Unitless	2E+09	A description of marked navigational aids that are either associated with or supporting a maritime Traffic Separation Scheme (TSS).
allowed values:	No Information					

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: TrafficSeparationScheme (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 TrafficSeparationScheme (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 TrafficSeparationScheme (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 TrafficSeparationScheme (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 TrafficSeparationScheme (Line 00) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup 00)
 TrafficSeparationScheme (Line 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 TrafficSeparationScheme (Line 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature TrafficSeparationScheme (Point 00)

New ☐ Traffic Separation Scheme

A maritime routing measure that separates opposing streams of traffic by appropriate means. [Description] For example, traffic lanes and traffic circles. Often referred to by its acronym, TSS.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> Civilian Other			International			National No Information
Direction of Flow	1	-999999	REAL	Arc Degree	0	The bearing of movement or direction of the flow.
<u>allowed values:</u> -999999						
New Feature Code	1	FC041	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> FC041						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
IMO Adopted	1	No Information	Boolean	Unitless	0	An indication that a Traffic Separation Scheme (TSS) has been adopted by the International Maritime Organization (IMO).
<u>allowed values:</u> False			No Information			True
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Maritime Navigation Marked	1	No Information	Boolean	Unitless	0	An indication that a feature is significant to maritime safety of navigation and is marked (for example: by a light or beacon) by a maritime-specific navigational aid. [Description] Mariners may also use other prominent features (for example: rotating aeronautical beacons or lighted structures) for informal navigational purposes.
<u>allowed values:</u> FALSE			No Information			TRUE

Maritime Traffic Separation Scheme Component	1	No Information	Enumeration	Unitless	0	The type of a component of a maritime Traffic Separation Scheme (TSS) based on its purpose. [Description] A TSS is a routing scheme whose intent is to reduce the risk of collision in congested and/or converging areas by separating traffic moving in opposite, or nearly opposite, directions.
allowed values:						Boundary Lane Part Outbound Lane Separation Zone Crossing Line Point Inbound Lane No Information Precautionary Area Inshore Traffic Zone Other Roundabout
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values:	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values:	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:						Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
TSS-associated Aids to Navigation	1	No Information	String	Unitless	2E+09	A description of marked navigational aids that are either associated with or supporting a maritime Traffic Separation Scheme (TSS).
allowed values:	No Information					

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: TrafficSeparationScheme (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
TrafficSeparationScheme (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
TrafficSeparationScheme (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
TrafficSeparationScheme (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
TrafficSeparationScheme (Point 00) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup 00)
TrafficSeparationScheme (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
TrafficSeparationScheme (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature Trail (Line 00)

New ☐ Trail

A path worn by the passage of people or animals.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
allowed values: False			No Information			True
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
allowed values: Civilian Municipal Private State			International National Province Tribal			Joint Military and Civilian No Information Public Military Other Regional
Deck Level	1	-999999	REAL	Unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value.
allowed values: -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AP050	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: AP050						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values: No Information						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.			
<i>allowed values:</i> -999999									
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.			
<i>allowed values:</i> No Information									
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.			
<i>allowed values:</i> No Information									
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.			
<i>allowed values:</i> False									
New Physical Condition	1	No Information	Enumeration	Unitless		True			
<i>allowed values:</i> Damaged									
<i>allowed values:</i> No Information									
<i>allowed values:</i> Unmaintained									
<i>allowed values:</i> Destroyed									
<i>allowed values:</i> Ruined									
<i>allowed values:</i> Dismantled									
<i>allowed values:</i> Site Preparation									
<i>allowed values:</i> Intact									
<i>allowed values:</i> Under Construction									
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).			
<i>allowed values:</i> Depressed									
<i>allowed values:</i> Raised									
<i>allowed values:</i> Level									
<i>allowed values:</i> No Information									
<i>allowed values:</i> Not Applicable									
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.			
<i>allowed values:</i> U									
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.			
<i>allowed values:</i>									
Army Geographic Agency (Netherlands)									
Defence Acquisition and Logistics Organization (Denmark)									
General Command of Mapping (Turkey)									
Geospatial Intelligence Organisation (New Zealand)									
Mapping Service (Hungary)									
Military Mapping Centre (Lithuania)									
No Information									
Topographic Service (Finland)									
U.S. Army Geospatial Center (AGC)									
U.S. Defense Intelligence Agency (DIA)									
U.S. European Command (USEUCOM)									
U.S. Marine Corps									
U.S. National Reconnaissance Office (NRO)									
U.S. Pacific Command (PACOM)									
U.S. Transportation Command (USTRANSCOM)									
Army Geographic Centre (Spain)									
Defence Geographic Centre Intelligence Collection Group (United Kingdom)									
Geographic Service (Belgium)									
Hellenic Military Geographic Service (Greece)									
Military Geographic Group (Estonia)									
Military Topographic Directorate (Romania)									
Other									
U.S. Africa Command (USAFRICOM)									
U.S. Central Command (USCENTCOM)									
U.S. Department of Energy (DOE)									
U.S. Federal Bureau of Investigation (FBI)									
U.S. National Civil Applications Program (NCAP)									
U.S. National Security Agency (NSA)									
U.S. Southern Command (USSOUTHCOM)									
Army Geographic Institute (Portugal)									
Defence Imagery and Geospatial Organisation (Australia)									
Geographic Service of the Czech Armed Forces (Czech Republic)									
Joint Geography Bureau (France)									
Military Geographic Service (Norway)									
Military Topographic Service (Bulgaria)									
Swedish Armed Forces (Sweden)									
U.S. Air Force									
U.S. Central Intelligence Agency (CIA)									
U.S. Department of Homeland Security (DHS)									
U.S. Geological Survey (USGS)									
U.S. National Geospatial-Intelligence Agency (NGA)									
U.S. Navy									
U.S. Special Operations Command (USSOCOM)									
Bundeswehr Geoinformation Office (Germany)									
Defense Information Security (Italy)									
Geospatial Information Agency (Latvia)									
Mapping and Charting Establishment (Canada)									
Military Geography Division (Poland)									
National Army Topographic Service (Moldova)									
Topographic Institute (Slovakia)									
U.S. Army									
U.S. Coast Guard									
U.S. Department of State									
U.S. Joint Forces Command (USJFCOM)									
U.S. National Oceanic and Atmospheric Administration									
U.S. Northern Command (USNORTHCOM)									
U.S. Strategic Command (USSTRATCOM)									
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.			
<i>allowed values:</i> No Information									

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Route Pavement Information : Road Weather Restriction	1	No Information	Enumeration	Unitless	0	The type of weather conditions under which a road is usable.
<i>allowed values:</i> All-weather No Information			Closed in Winter Other			Fair-weather Winter Only Limited All-weather
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.
<i>allowed values:</i> False			No Information			True
Through Route	1	No Information	Boolean	Unitless	0	An indication that a route (for example: a road) passes through (both into and out of) a place (for example: an urban area) without interruption. [Description] A through route may have devices (for example: a traffic light) to control traffic flow.
<i>allowed values:</i> False			No Information			True
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<i>allowed values:</i> Below Ground Surface			No Information			On Surface On Waterbody Bottom
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						

Relationships: Trail (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Trail (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Trail (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Trail (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Trail (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Trail (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Trail (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Trail (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Trail (Line 00) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup 00)

Feature TrainingSite (Area 00)

New ☐ Training Site

A site reserved for training.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

<u>allowed values:</u> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> <div>Civilian</div> <div>National</div> <div>Public</div> <div>International</div> <div>No Information</div> <div>State</div> <div>Joint Military and Civilian</div> <div>Other</div> <div>Military</div> <div>Private</div>						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> <div>No Information</div> <div>Partially Operational</div> <div>Non-operational</div> <div>Planned</div> <div>Not in Operation</div> <div>Temporarily Non-operational</div> <div>Operational</div>						
New Feature Code	1	FA165	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> FA165						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<u>allowed values:</u> <div>CBRNE Civilian Support</div> <div>Emergency Operations</div> <div>Law Enforcement</div> <div>Public Order</div> <div>Sports Centre</div> <div>Civil Intelligence</div> <div>Emergency Relief Services</div> <div>Meeting Place</div> <div>Rescue and Paramedical Services</div> <div>Vocational Education</div> <div>Club</div> <div>Firefighting</div> <div>No Information</div> <div>Safety</div> <div>Defence Activities</div> <div>Government</div> <div>Other</div> <div>Shooting Range</div>						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> <div>False</div> <div>No Information</div> <div>True</div>						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.

<i>allowed values:</i> <i>Damaged</i> No Information <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>			<i>Dismantled</i> <i>Site Preparation</i>	<i>Intact</i> <i>Under Construction</i>
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i> <i>U</i>							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
<i>allowed values:</i> No Information							
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
<i>allowed values:</i> No Information							
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
<i>allowed values:</i> No Information							
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999							

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

Relationships: TrainingSite (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 TrainingSite (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 TrainingSite (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 TrainingSite (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 TrainingSite (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 TrainingSite (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 TrainingSite (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 TrainingSite (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 TrainingSite (Area 00) - is a member of group - Exactly one - MilitarySrf (FeatureGroup 00)

Feature TrainingSite (Point 00)New ☐ Training Site**A site reserved for training.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
allowed values:	No Information					
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values:	-999999					
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
allowed values:	Civilian National Public		International No Information State			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values:	No Information Partially Operational		Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	FA165	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values:	FA165					
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
allowed values:	CBRNE Civilian Support Emergency Operations Law Enforcement Public Order Sports Centre		Civil Intelligence Emergency Relief Services Meeting Place Rescue and Paramedical Services Vocational Education			Club Firefighting No Information Safety Defence Activities Government Other Shooting Range
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values:	No Information					
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
allowed values:	-999999					

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False			No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
U.S. Northern Command (USNORTHCOM)						
U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.

allowed values: No Information

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
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allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

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

Microwave Radio Relay
Radio Broadcast

Mobile Phone
Radio Telephone

No Information
Radio-telegraph

Relationships: TrainingSite (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 TrainingSite (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 TrainingSite (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 TrainingSite (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 TrainingSite (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 TrainingSite (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 TrainingSite (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 TrainingSite (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 TrainingSite (Point 00) - is a member of group - Exactly one - MilitaryPnt (FeatureGroup 00)

Feature TransportationBlock (Area 00)

New ☐ Transportation Block

A substantial semi-permanent assemblage of material, usually in the form of concrete blocks and/or cylinders, positioned alongside or above a land transportation route, ready to be activated as a potential barrier. [Description] For example, a rolling block is positioned alongside the route and a drop gate is positioned above the route.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational						
			Non-operational Planned			Not in Operation Temporarily Non-operational
New Feature Code	1	AQ068	CONSTRAINED_STRING	Unitless	5	Feature Code

<i>allowed values:</i> AQ068						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)		Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)		Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
General Command of Mapping (Turkey)			Geographic Service (Belgium)		Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)		Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
Mapping Service (Hungary)			Military Geographic Group (Estonia)		Military Geographic Service (Norway)	Military Geography Division (Poland)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)		Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
No Information			Other		Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)		U.S. Air Force	U.S. Army
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)		U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)		U.S. Department of Homeland Security (DHS)	U.S. Department of State
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)		U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)		U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)		U.S. Navy	U.S. Northern Command (USNORTHCOM)
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)		U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Transportation Block Type	1	No Information	Enumeration	Unitless	0	The type of a transportation block based on its method of action. [Description] May be used as a means of subtyping Feature: 'Transportation Block'.

<i>allowed values:</i> Drop Gate			No Information			Other	Rolling Block
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.	
<i>allowed values:</i> Canal Railway			No Information Road			Other Underground Railway	Pedestrian
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
<i>allowed values:</i> No Information							
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	

allowed values: -999999

Relationships: TransportationBlock (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 TransportationBlock (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 TransportationBlock (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 TransportationBlock (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 TransportationBlock (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 TransportationBlock (Area 00) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup 00)

Feature TransportationBlock (Point 00)New ☐ Transportation Block

A substantial semi-permanent assemblage of material, usually in the form of concrete blocks and/or cylinders, positioned alongside or above a land transportation route, ready to be activated as a potential barrier. [Description] For example, a rolling block is positioned alongside the route and a drop gate is positioned above the route.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AQ068	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ068						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.

<i>allowed values:</i> <i>Damaged</i> No Information <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>			<i>Dismantled</i> <i>Site Preparation</i>	<i>Intact</i> <i>Under Construction</i>
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
<i>allowed values:</i> <i>U</i>							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
<i>allowed values:</i> No Information							
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
<i>allowed values:</i> No Information							
Transportation Block Type	1	No Information	Enumeration	Unitless	0	The type of a transportation block based on its method of action. [Description] May be used as a means of subtyping Feature: 'Transportation Block'.	
<i>allowed values:</i> Drop Gate			No Information			Other	Rolling Block
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.	
<i>allowed values:</i> Canal Railway			No Information Road			Other Underground Railway	Pedestrian
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
<i>allowed values:</i> No Information							

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: TransportationBlock (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 TransportationBlock (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 TransportationBlock (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 TransportationBlock (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 TransportationBlock (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 TransportationBlock (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 TransportationBlock (Point 00) - is a member of configuration level - Exactly one - TDSLLocal (Feature 00)
 TransportationBlock (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 TransportationBlock (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)

Feature TransportationStation (Area 00)

New ☐ Transportation Station

A station that serves as a stopping place along a transportation route. [Description] For example, used for the transfer of passengers and/or freight.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Attached Building	1	No Information	Boolean	Unitless	0	An indication that a building is physically contiguous (for example: shares a common wall) with one or more adjacent buildings.
<i>allowed values:</i> FALSE			No Information			TRUE
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ125	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ125						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Air Transport Inspection Pedestrian Transport Railway Transport Stop			Canal Transport Meeting Place Pipeline Transport Road Transport Transportation Hub			Emergency Operations No Information Postal Activities Security Services Warehousing and Storage Food Service Other Railway Passenger Transport Station Water Transport
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The type of designated hazard protection shelter based on the kind of emergency. [Description] These shelters may be inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
<i>allowed values:</i> Bomb Shelter Storm Shelter			Fallout Shelter			No Information Other

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<u>allowed values:</u> False			No Information			True
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
New Multi-unit Building	1	No Information	Boolean	Unitless	0	An indication that a building is divided into two or more distinct sets of rooms or other interior spaces that are internally fully-connected while being separated from each other and common areas by controlled access point(s) (for example: lockable doors) that enable physical privacy and security for its occupants.
<u>allowed values:</u> FALSE			No Information			TRUE
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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TransportationStation (Area 00)

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) <i>No Information</i> Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) <i>Other</i> U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	<i>No Information</i>						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	<i>No Information</i>						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.	
allowed values:	Conical Flat with Parapet Pitched with Clerestory With Clerestory With Steeple		Domed <i>No Information</i> Pyramidal With Cupola With Tower		Flat <i>Other</i> Sawtoothed With Minaret With Turret	Flat with Clerestory Pitched Semi-cylindrical With Smokestack	
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:	<i>No Information</i>						
Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.	
allowed values:	<i>False</i>		<i>No Information</i>		<i>True</i>		
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.	
allowed values:	Aeronautical <i>No Information</i> Road		Automotive <i>Other</i> <i>Taxi</i>		Bus Pedestrian Truck	Canal Railway Underground Railway	
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values:	<i>No Information</i>						

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: TransportationStation (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 TransportationStation (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 TransportationStation (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 TransportationStation (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 TransportationStation (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 TransportationStation (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 TransportationStation (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 TransportationStation (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 TransportationStation (Area 00) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup 00)

Feature TransportationStation (Point 00)

New ☐ Transportation Station

A station that serves as a stopping place along a transportation route. [Description] For example, used for the transfer of passengers and/or freight.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
allowed values: No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
New Attached Building	1	No Information	Boolean	Unitless	0	An indication that a building is physically contiguous (for example: shares a common wall) with one or more adjacent buildings.
allowed values: FALSE			No Information			TRUE
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ125	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: AQ125						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
allowed values: Air Transport Inspection Pedestrian Transport Railway Transport Stop			Canal Transport Meeting Place Pipeline Transport Road Transport Transportation Hub			Emergency Operations No Information Postal Activities Security Services Warehousing and Storage Food Service Other Railway Passenger Transport Station Water Transport
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values: No Information						
New Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The type of designated hazard protection shelter based on the kind of emergency. [Description] These shelters may be inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
allowed values: Bomb Shelter Storm Shelter			Fallout Shelter			No Information Other

Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<u>allowed values:</u> False			No Information			True
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
New Multi-unit Building	1	No Information	Boolean	Unitless	0	An indication that a building is divided into two or more distinct sets of rooms or other interior spaces that are internally fully-connected while being separated from each other and common areas by controlled access point(s) (for example: lockable doors) that enable physical privacy and security for its occupants.
<u>allowed values:</u> FALSE			No Information			TRUE
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
allowed values:	Conical Flat with Parapet Pitched with Clerestory With Clerestory With Steeple		Domed No Information Pyramidal With Cupola With Tower		Flat Other Sawtoothed With Minaret With Turret	Flat with Clerestory Pitched Semi-cylindrical With Smokestack
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.
allowed values:	False		No Information			True
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
allowed values:	Aeronautical No Information Road		Automotive Other Taxi		Bus Pedestrian Truck	Canal Railway Underground Railway
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: TransportationStation (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 TransportationStation (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 TransportationStation (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 TransportationStation (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 TransportationStation (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 TransportationStation (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 TransportationStation (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 TransportationStation (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 TransportationStation (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)

Feature TransRouteCharacterChange (Line 00)

New ☐ Transportation Route Characteristic Change

A section of a transportation route where its size (for example: narrowing or expansion in width) and/or operating speed is significantly different than in the adjacent sections of the route. [Description] For example, an increase or decrease in the number of lanes in a road. Constrictions along or beside a transportation route may impede the flow of vehicles or people thus resulting in 'choke points'.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Bypass Condition	1	No Information	Enumeration	Unitless	0	The ease or ability to circumvent a destroyed section of bridge, tunnel or pass within a distance of two kilometres from the feature. [Description] Bypass condition will not consider other bridges in bypass determination.
allowed values: Difficult			Easy			Impossible
allowed values: No Information						
New Feature Code	1	AQ059	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: AQ059						
Horizontal Clearance	1	-999999	REAL	Metre	0	The distance available to pass a load that extends laterally beyond the wheels of a vehicle.
allowed values: -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

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TransRouteCharacterChange (Line 00)

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Route Pavement Information : Route Minimum Travelled Way Width	1	-999999	REAL	Metre	0	The minimum width of the travelled way of a route. [Description] Excludes pavements and shoulders.
allowed values:	-999999					
allowed values:	-999999					
Route Width Constriction Type	1	No Information	Enumeration	Unitless	0	The type of a route width constriction based on the nature of the surrounding area. [Description] For example, reduction in road width to less than 4 metres is considered to be a constriction. Width restrictions cause vehicles and people to travel through narrow passages creating choke points.
allowed values:	Arcade Building Curb Embankment Ford Hedgerow Other Pipeline Crossing Point Ramp Rock Formation Transportation Block		Bridge Pier Causeway Structure Cut Entrance and/or Exit Gallery Memorial Monument Parking Garage Prepared Watercourse Crossing Reduced Track or Lane Count Route-related Structure Transportation Route Protection Structure		Bridge Superstructure Cave Dam Fence Gantry No Information Pass Railway Signal Retail Stand Stair Tunnel	Bridge Tower Culvert Dropgate Fire Hydrant Gate Non-building Structure Pipeline Railway Switch Road Interchange Steep Terrain Face Underpass
Route Width Expansion Type	1	No Information	Enumeration	Unitless	0	The type of a route width expansion based on the nature of the expansion and/or surrounding area.
allowed values:	Increased Track or Lane Count Roadside Rest Area		No Information Shoulder		Other Siding	Railway Sidetrack
Safe Horizontal Clearance	1	-999999	REAL	Metre	0	Minimum safe horizontal distance between adjacent structures on either side of a navigable channel.
allowed values:	-999999					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					

Traffic Restriction Type	1	No Information	Enumeration	Unitless	0	The reason for traffic restriction based on the nature of the route.
allowed values:	No Information		Other	Railway Switch		
	Road Interchange		Sharp Curves	Steep Grades		
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
allowed values:	Canal		Inland Waterway	No Information		
	Pedestrian		Railway	Other		
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: TransRouteCharacterChange (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 TransRouteCharacterChange (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 TransRouteCharacterChange (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 TransRouteCharacterChange (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 TransRouteCharacterChange (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 TransRouteCharacterChange (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 TransRouteCharacterChange (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 TransRouteCharacterChange (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 TransRouteCharacterChange (Line 00) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup 00)

Feature TransRouteCharacterChange (Point 00)

New ☐ Transportation Route Characteristic Change

A section of a transportation route where its size (for example: narrowing or expansion in width) and/or operating speed is significantly different than in the adjacent sections of the route. [Description] For example, an increase or decrease in the number of lanes in a road. Constrictions along or beside a transportation route may impede the flow of vehicles or people thus resulting in 'choke points'.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Bypass Condition	1	No Information	Enumeration	Unitless	0	The ease or ability to circumvent a destroyed section of bridge, tunnel or pass within a distance of two kilometres from the feature. [Description] Bypass condition will not consider other bridges in bypass determination.
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Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:						
Army Geographic Agency (Netherlands)						Army Geographic Centre (Spain)
Defence Acquisition and Logistics Organization (Denmark)						Defence Geographic Centre Intelligence Collection Group (United Kingdom)
General Command of Mapping (Turkey)						Geographic Service (Belgium)
Geospatial Intelligence Organisation (New Zealand)						Hellenic Military Geographic Service (Greece)
Mapping Service (Hungary)						Military Geographic Group (Estonia)
Military Mapping Centre (Lithuania)						Military Topographic Directorate (Romania)
No Information						Other
Topographic Service (Finland)						U.S. Africa Command (USAFRICOM)
U.S. Army Geospatial Center (AGC)						U.S. Central Command (USCENTCOM)
U.S. Defense Intelligence Agency (DIA)						U.S. Department of Energy (DOE)
U.S. European Command (USEUCOM)						U.S. Federal Bureau of Investigation (FBI)
U.S. Marine Corps						U.S. National Civil Applications Program (NCAP)
U.S. National Reconnaissance Office (NRO)						U.S. National Security Agency (NSA)
U.S. Pacific Command (PACOM)						U.S. Southern Command (USSOUTHCOM)
U.S. Transportation Command (USTRANSCOM)						
Army Geographic Institute (Portugal)						Bundeswehr Geoinformation Office (Germany)
Defence Imagery and Geospatial Organisation (Australia)						Defense Information Security (Italy)
Geographic Service of the Czech Armed Forces (Czech Republic)						Geospatial Information Agency (Latvia)
Joint Geography Bureau (France)						Mapping and Charting Establishment (Canada)
Military Geographic Service (Norway)						Military Geography Division (Poland)
Military Topographic Service (Bulgaria)						National Army Topographic Service (Moldova)
Swedish Armed Forces (Sweden)						Topographic Institute (Slovakia)
U.S. Air Force						U.S. Army
U.S. Central Intelligence Agency (CIA)						U.S. Coast Guard
U.S. Department of Homeland Security (DHS)						U.S. Department of State
U.S. Geological Survey (USGS)						U.S. Joint Forces Command (USJFCOM)
U.S. National Geospatial-Intelligence Agency (NGA)						U.S. National Oceanic and Atmospheric Administration
U.S. Navy						U.S. Northern Command (USNORTHCOM)
U.S. Special Operations Command (USSOCOM)						U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:						No Information
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:						No Information
Route Pavement Information : Route Minimum Travelled Way Width	1	-999999	REAL	Metre	0	The minimum width of the travelled way of a route. [Description] Excludes pavements and shoulders.
allowed values:						-999999
allowed values:						-999999
Route Width Constriction Type	1	No Information	Enumeration	Unitless	0	The type of a route width constriction based on the nature of the surrounding area. [Description] For example, reduction in road width to less than 4 metres is considered to be a constriction. Width restrictions cause vehicles and people to travel through narrow passages creating choke points.
allowed values:						
Arcade						Bridge Pier
Building						Causeway Structure
Curb						Cave
Embankment						Cut
Ford						Dam
Hedgerow						Entrance and/or Exit
Other						Fence
Pipeline Crossing Point						Gantry
Ramp						Gate
Rock Formation						Memorial Monument
Transportation Block						No Information
						Non-building Structure
						Parking Garage
						Pipeline
						Prepared Watercourse Crossing
						Pass
						Railway Signal
						Railway Switch
						Reduced Track or Lane Count
						Retail Stand
						Route-related Structure
						Stair
						Steep Terrain Face
						Transportation Route Protection Structure
						Tunnel
						Underpass
Route Width Expansion Type	1	No Information	Enumeration	Unitless	0	The type of a route width expansion based on the nature of the expansion and/or surrounding area.
allowed values:						
Increased Track or Lane Count						No Information
Roadside Rest Area						Shoulder
						Other
						Siding
						Railway Sidetrack
Safe Horizontal Clearance	1	-999999	REAL	Metre	0	Minimum safe horizontal distance between adjacent structures on either side of a navigable channel.
allowed values:						-999999

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Traffic Restriction Type	1	No Information	Enumeration	Unitless	0	The reason for traffic restriction based on the nature of the route.
<i>allowed values:</i> No Information Road Interchange			Other Sharp Curves			Railway Switch Steep Grades Reduced Track or Lane Count
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> Canal Pedestrian			Inland Waterway Railway			No Information Road Other
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: TransRouteCharacterChange (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 TransRouteCharacterChange (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 TransRouteCharacterChange (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 TransRouteCharacterChange (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 TransRouteCharacterChange (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 TransRouteCharacterChange (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 TransRouteCharacterChange (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 TransRouteCharacterChange (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 TransRouteCharacterChange (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)

Feature TransRouteProtectStruct (Area 00)

New ☐ Transportation Route Protection Structure

A structure built over and/or along a transportation route designed to prevent damage to, or blockage of, the route from rock slides, snow slides and/or weather phenomena. [Description] For example, a snow shed, a rock shed or a gallery. These structures are usually located in rugged mountainous regions.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL211	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL211						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.			
<i>allowed values:</i> -999999									
Horizontal Clearance	1	-999999	REAL	Metre	0	The distance available to pass a load that extends laterally beyond the wheels of a vehicle.			
<i>allowed values:</i> -999999									
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.			
<i>allowed values:</i> -999999									
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.			
<i>allowed values:</i> No Information									
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.			
<i>allowed values:</i> FalseNo InformationTrue									
Overhead Clearance	1	-999999	REAL	Metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.			
<i>allowed values:</i> -999999									
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.			
<i>allowed values:</i> DamagedDestroyedDismantledIntact No InformationRuinedSite PreparationUnder Construction Unmaintained									
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.			
<i>allowed values:</i> U									
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.			
<i>allowed values:</i> Army Geographic Agency (Netherlands) Army Geographic Centre (Spain) Army Geographic Institute (Portugal) Bundeswehr Geoinformation Office (Germany) Defence Acquisition and Logistics Organization (Denmark) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Defence Imagery and Geospatial Organisation (Australia) Defense Information Security (Italy) General Command of Mapping (Turkey) Geographic Service (Belgium) Geographic Service of the Czech Armed Forces (Czech Republic) Geospatial Information Agency (Latvia) Geospatial Intelligence Organisation (New Zealand) Hellenic Military Geographic Service (Greece) Joint Geography Bureau (France) Mapping and Charting Establishment (Canada) Mapping Service (Hungary) Military Geographic Group (Estonia) Military Geographic Service (Norway) Military Geography Division (Poland) Military Mapping Centre (Lithuania) Military Topographic Directorate (Romania) Military Topographic Service (Bulgaria) National Army Topographic Service (Moldova) No Information Other Swedish Armed Forces (Sweden) Topographic Institute (Slovakia) Topographic Service (Finland) U.S. Africa Command (USAFRICOM) U.S. Air Force U.S. Army U.S. Army Geospatial Center (AGC) U.S. Central Command (USCENTCOM) U.S. Central Intelligence Agency (CIA) U.S. Coast Guard U.S. Defense Intelligence Agency (DIA) U.S. Department of Energy (DOE) U.S. Department of Homeland Security (DHS) U.S. Department of State U.S. European Command (USEUCOM) U.S. Federal Bureau of Investigation (FBI) U.S. Geological Survey (USGS) U.S. Joint Forces Command (USJFCOM) U.S. Marine Corps U.S. National Civil Applications Program (NCAP) U.S. National Geospatial-Intelligence Agency (NGA) U.S. National Oceanic and Atmospheric Administration U.S. National Reconnaissance Office (NRO) U.S. National Security Agency (NSA) U.S. Navy U.S. Northern Command (USNORTHCOM) U.S. Pacific Command (PACOM) U.S. Southern Command (USSOUTHCOM) U.S. Special Operations Command (USSOCOM) U.S. Strategic Command (USSTRATCOM) U.S. Transportation Command (USTRANSCOM)									

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Transportation Route Protection Structure Type	1	No Information	Enumeration	Unitless	0	The type of a transportation route protection structure based on its configuration and/or intended purpose.
<i>allowed values:</i> Gallery Rock Protection Shed			No Information Snow Protection Shed			Other Protection Shed
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> Canal Road			No Information			Other Railway
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: TransRouteProtectStruct (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 TransRouteProtectStruct (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 TransRouteProtectStruct (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 TransRouteProtectStruct (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 TransRouteProtectStruct (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 TransRouteProtectStruct (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 TransRouteProtectStruct (Area 00) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup 00)

Feature TransRouteProtectStruct (Line 00)New ☐ **Transportation Route Protection Structure**

A structure built over and/or along a transportation route designed to prevent damage to, or blockage of, the route from rock slides, snow slides and/or weather phenomena.
[Description] For example, a snow shed, a rock shed or a gallery. These structures are usually located in rugged mountainous regions.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.

allowed values: -999999

Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
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allowed values: -999999

Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AL211	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL211						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Horizontal Clearance	1	-999999	REAL	Metre	0	The distance available to pass a load that extends laterally beyond the wheels of a vehicle.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Overhead Clearance	1	-999999	REAL	Metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.
<i>allowed values:</i> -999999						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Transportation Route Protection Structure Type	1	No Information	Enumeration	Unitless	0	The type of a transportation route protection structure based on its configuration and/or intended purpose.
allowed values:	Gallery Rock Protection Shed		No Information Snow Protection Shed			Other Protection Shed
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
allowed values:	Canal Road		No Information			Other Railway
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: TransRouteProtectStruct (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 TransRouteProtectStruct (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 TransRouteProtectStruct (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 TransRouteProtectStruct (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 TransRouteProtectStruct (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 TransRouteProtectStruct (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 TransRouteProtectStruct (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 TransRouteProtectStruct (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 TransRouteProtectStruct (Line 00) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup 00)

Feature TransRouteProtectStruct (Point 00)New ☐ **Transportation Route Protection Structure**

A structure built over and/or along a transportation route designed to prevent damage to, or blockage of, the route from rock slides, snow slides and/or weather phenomena. [Description] For example, a snow shed, a rock shed or a gallery. These structures are usually located in rugged mountainous regions.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AL211	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL211						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Horizontal Clearance	1	-999999	REAL	Metre	0	The distance available to pass a load that extends laterally beyond the wheels of a vehicle.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.

<i>allowed values:</i> <i>False</i>			No Information		<i>True</i>	
Overhead Clearance	1	-999999	REAL	Metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.
<i>allowed values:</i> <i>-999999</i>						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> <i>Damaged</i> <i>No Information</i> <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>		<i>Dismantled</i> <i>Site Preparation</i>	<i>Intact</i> <i>Under Construction</i>
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> <i>U</i>						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>	<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) <i>No Information</i> Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) <i>Other</i> U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> <i>No Information</i>						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> <i>No Information</i>						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> <i>No Information</i>						
Transportation Route Protection Structure Type	1	No Information	Enumeration	Unitless	0	The type of a transportation route protection structure based on its configuration and/or intended purpose.
<i>allowed values:</i>	<div> Gallery Rock Protection Shed </div> <div> <i>No Information</i> Snow Protection Shed </div> <div> <i>Other</i> </div> <div> Protection Shed </div>					
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i>	<div> Canal Road </div> <div> <i>No Information</i> </div> <div> <i>Other</i> </div> <div> Railway </div>					

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: TransRouteProtectStruct (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 TransRouteProtectStruct (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 TransRouteProtectStruct (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 TransRouteProtectStruct (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 TransRouteProtectStruct (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 TransRouteProtectStruct (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 TransRouteProtectStruct (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 TransRouteProtectStruct (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 TransRouteProtectStruct (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)

Feature Tree (Point 00)

New ☐ Tree

An individual woody perennial plant, typically having a single stem or trunk growing to a considerable height and bearing lateral branches at some distance from the ground.
[Description] May be distinguished by its relative isolation from other features, thus serving as a landmark.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Feature Code	1	EC005	CONSTRAINED_ STRING	Unitless	5	Feature Code
<u>allowed values:</u> EC005						
Foliage Type	1	No Information	Enumeration	Unitless	0	The predominant foliage type of the vegetation.
<u>allowed values:</u> Deciduous Other			Evergreen			Mixed No Information
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Isolated	1	No Information	Boolean	Unitless	0	An indication that a feature (for example: a structure) is in the open by itself, isolated from other features of a similar type, and thus is visually distinct from surrounding features when viewed from a distance.
<u>allowed values:</u> FALSE			No Information			TRUE

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False			No Information		True	
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<u>allowed values:</u> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<u>allowed values:</u> No Information						
Stem Diameter	1	[-999999, -999999]	REAL_Interval	Metre	0	The average diameter of the tree trunks in an area, measured at a height of approximately 1.5 metres or 4.5 feet on the high side (if on a hillside) above the surface of the ground. [Description] Commonly referred to as the 'diameter at breast height' (dbh). For trees up to 2 metres high, the stem diameter is measured at the mid-point between the ground and the stem tip.
<u>allowed values:</u> [-999999, -999999]						

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Vegetation Species	1	No Information	Enumeration	Unitless	0	The predominant species of a tract of vegetation.
<u>allowed values:</u>	Casuarina Filao Other		Conifer Mangrove Palm		Cypress Nipa	Eucalyptus No Information
Vegetation Trafficability Impact	1	[-999999, -999999]	Real_Interval	Percent		The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).

allowed values: [-999999, -999999]

Relationships: Tree (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Tree (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Tree (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Tree (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Tree (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Tree (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Tree (Point 00) - is a member of group - Exactly one - VegetationPnt (FeatureGroup 00)

Feature Tundra (Area 00)

New ☐ Tundra

A vast, nearly level, treeless arctic region usually with a marshy surface and underlying permafrost.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	BJ110	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BJ110						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.

allowed values: U

Process Step Information : Resource Content Originator		1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:	Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information			Other			Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)							
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values: No Information								
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values: No Information								
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values: No Information								
Unique Entity Identifier		1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values: No Information								
Vegetation Trafficability Impact		1	[-999999, -999999]	Real_Interval	Percent		The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).	
allowed values: [-999999, -999999]								
Width		1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	

allowed values: -999999

Relationships: Tundra (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Tundra (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Tundra (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Tundra (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Tundra (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Tundra (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Tundra (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Tundra (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Tundra (Area 00) - is a member of group - Exactly one - VegetationSrf (FeatureGroup 00)

Feature Tunnel (Area 00)New ☐ Tunnel

An underground passage that is open at both ends and usually contains a land transportation route (for example: a road and/or a railway). [Description] Commonly used to pass through a hill or mountain, or under a river or road. May also provide underground passage in a mine.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Bypass Condition	1	No Information	Enumeration	Unitless	0	The ease or ability to circumvent a destroyed section of bridge, tunnel or pass within a distance of two kilometres from the feature. [Description] Bypass condition will not consider other bridges in bypass determination.
<i>allowed values:</i> Difficult			Easy			Impossible No Information
Deck Count	1	-999999	REAL	Unitless	0	The number of vertically stacked decks, one over another, in a transportation structure (for example: a bridge or a tunnel).
<i>allowed values:</i> -999999						
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information			Non-operational			Not in Operation Operational
<i>Partially Operational</i>			Planned			Temporarily Non-operational
New Feature Code	1	AQ130	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ130						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The type of designated hazard protection shelter based on the kind of emergency. [Description] These shelters may be inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
<i>allowed values:</i> Bomb Shelter			Fallout Shelter			No Information Other
<i>Storm Shelter</i>						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i> Accurate			Approximate			Doubtful No Information
Horizontal Clearance	1	-999999	REAL	Metre	0	The distance available to pass a load that extends laterally beyond the wheels of a vehicle.

<u>allowed values:</u> -999999						
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<u>allowed values:</u> -999999						
New Least Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Overhead Clearance	1	-999999	REAL	Metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.
<u>allowed values:</u> -999999						
Pedestrian Traversable	1	No Information	Boolean	Unitless	0	An indication that a feature is traversable on foot.
<u>allowed values:</u> False						
<u>allowed values:</u> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u> Damaged						
<u>allowed values:</u> No Information						
<u>allowed values:</u> Unmaintained						
<u>allowed values:</u> Destroyed						
<u>allowed values:</u> Ruined						
<u>allowed values:</u> Dismantled						
<u>allowed values:</u> Site Preparation						
<u>allowed values:</u> Intact						
<u>allowed values:</u> Under Construction						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	No Information						
Route Pavement Information : Route Minimum Travelled Way Width	1	-999999	REAL	Metre	0	The minimum width of the travelled way of a route. [Description] Excludes pavements and shoulders.	
allowed values:	-999999						
Route Total Usable Width	1	-999999	REAL	Metre	0	The total usable width of the travelled way of a route. [Description] Includes pavements and shoulders.	
allowed values:	-999999						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:	No Information						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.	
allowed values:	Aqueduct No Transportation System Railway		Canal Other Road			Inland Waterway Pedestrian Taxiway	No Information Portage
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values:	No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	
allowed values:	-999999						

Relationships: Tunnel (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Tunnel (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Tunnel (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Tunnel (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Tunnel (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Tunnel (Area 00) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup 00)

Feature Tunnel (Line 00)New ☐ Tunnel

An underground passage that is open at both ends and usually contains a land transportation route (for example: a road and/or a railway). [Description] Commonly used to pass through a hill or mountain, or under a river or road. May also provide underground passage in a mine.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Bypass Condition	1	No Information	Enumeration	Unitless	0	The ease or ability to circumvent a destroyed section of bridge, tunnel or pass within a distance of two kilometres from the feature. [Description] Bypass condition will not consider other bridges in bypass determination.
<i>allowed values:</i> Difficult			Easy			Impossible No Information
Deck Count	1	-999999	REAL	Unitless	0	The number of vertically stacked decks, one over another, in a transportation structure (for example: a bridge or a tunnel).
<i>allowed values:</i> -999999						
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ130	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ130						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The type of designated hazard protection shelter based on the kind of emergency. [Description] These shelters may be inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
<i>allowed values:</i> Bomb Shelter Storm Shelter			Fallout Shelter			No Information Other
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i> Accurate			Approximate			Doubtful No Information
Horizontal Clearance	1	-999999	REAL	Metre	0	The distance available to pass a load that extends laterally beyond the wheels of a vehicle.
<i>allowed values:</i> -999999						

	Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
	<i>allowed values:</i> -999999						
New	Least Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling.
	<i>allowed values:</i> -999999						
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Overhead Clearance	1	-999999	REAL	Metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.
	<i>allowed values:</i> -999999						
	Pedestrian Traversable	1	No Information	Boolean	Unitless	0	An indication that a feature is traversable on foot.
	<i>allowed values:</i> False			No Information		True	
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<i>allowed values:</i> U						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
	<i>allowed values:</i>						
	Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)		Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)		Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)			Geographic Service (Belgium)		Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)		Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)			Military Geographic Group (Estonia)		Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)		Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information			Other		Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)		U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)		U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)		U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)		U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)		U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)		U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)		U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)						

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<u>allowed values:</u> No Information						
Route Pavement Information : Route Minimum Travelled Way Width	1	-999999	REAL	Metre	0	The minimum width of the travelled way of a route. [Description] Excludes pavements and shoulders.
<u>allowed values:</u> -999999						
Route Total Usable Width	1	-999999	REAL	Metre	0	The total usable width of the travelled way of a route. [Description] Includes pavements and shoulders.
<u>allowed values:</u> -999999						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<u>allowed values:</u> No Information						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<u>allowed values:</u> Aqueduct No Transportation System Railway			Canal Other Road			Inland Waterway Pedestrian Taxiway No Information Portage
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<u>allowed values:</u> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Tunnel (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
Tunnel (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
Tunnel (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
Tunnel (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
Tunnel (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
Tunnel (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
Tunnel (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
Tunnel (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
Tunnel (Line 00) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup 00)

Feature TunnelMouth (Point 00)New ☐ Tunnel Mouth

The opening of a tunnel into a larger space (for example: onto the terrain surface). [Description] A tunnel is usually open to the terrain surface at both ends, but may sometimes lead to an enclosed space, for example: leading to an underground bunker, into an underground mine (termed an 'adit') or into an underground railway station.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
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Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AQ095	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ095						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i> Accurate			Approximate			Doubtful No Information
Horizontal Clearance	1	-999999	REAL	Metre	0	The distance available to pass a load that extends laterally beyond the wheels of a vehicle.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Overhead Clearance	1	-999999	REAL	Metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.
<i>allowed values:</i> -999999						
Pedestrian Traversable	1	No Information	Boolean	Unitless	0	An indication that a feature is traversable on foot.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)		Army Geographic Centre (Spain)		Army Geographic Institute (Portugal)		Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)		Defence Geographic Centre Intelligence Collection Group (United Kingdom)		Defence Imagery and Geospatial Organisation (Australia)		Defense Information Security (Italy)
	General Command of Mapping (Turkey)		Geographic Service (Belgium)		Geographic Service of the Czech Armed Forces (Czech Republic)		Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)		Hellenic Military Geographic Service (Greece)		Joint Geography Bureau (France)		Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)		Military Geographic Group (Estonia)		Military Geographic Service (Norway)		Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)		Military Topographic Directorate (Romania)		Military Topographic Service (Bulgaria)		National Army Topographic Service (Moldova)
	No Information		Other		Swedish Armed Forces (Sweden)		Topographic Institute (Slovakia)
	Topographic Service (Finland)		U.S. Africa Command (USAFRICOM)		U.S. Air Force		U.S. Army
	U.S. Army Geospatial Center (AGC)		U.S. Central Command (USCENTCOM)		U.S. Central Intelligence Agency (CIA)		U.S. Coast Guard
U.S. Defense Intelligence Agency (DIA)		U.S. Department of Energy (DOE)		U.S. Department of Homeland Security (DHS)		U.S. Department of State	
U.S. European Command (USEUCOM)		U.S. Federal Bureau of Investigation (FBI)		U.S. Geological Survey (USGS)		U.S. Joint Forces Command (USJFCOM)	
U.S. Marine Corps		U.S. National Civil Applications Program (NCAP)		U.S. National Geospatial-Intelligence Agency (NGA)		U.S. National Oceanic and Atmospheric Administration	
	U.S. National Reconnaissance Office (NRO)		U.S. National Security Agency (NSA)		U.S. Navy		U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)		U.S. Southern Command (USSOUTHCOM)		U.S. Special Operations Command (USSOCOM)		U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)						
<hr/>							
Restriction Information : Security Attributes Group (resource non-intelligence community markings)		1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<hr/>							
allowed values: No Information							
Restriction Information : Security Attributes Group (resource owner-producer)		1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<hr/>							
allowed values: No Information							
Specified Domain Values(s)		1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<hr/>							
allowed values: No Information							
Transportation System Type		3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
allowed values:							
	Aqueduct		Canal				Inland Waterway
	No Transportation System		Other				Pedestrian
	Railway		Road				Taxiway
<hr/>							
Unique Entity Identifier		1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

- Relationships:**
- TunnelMouth (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 - TunnelMouth (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 - TunnelMouth (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 - TunnelMouth (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 - TunnelMouth (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 - TunnelMouth (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 - TunnelMouth (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 - TunnelMouth (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 - TunnelMouth (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)

Feature UndergroundBunker (Area 00)

New ☐ Underground Bunker

A reinforced underground shelter. [Description] May be located within a mountain or buried below the terrain. Often used as an underground facility for military command, control, and/or troop billeting.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AH060	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AH060						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The type of designated hazard protection shelter based on the kind of emergency. [Description] These shelters may be inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
<i>allowed values:</i> Bomb Shelter Storm Shelter			Fallout Shelter			No Information Other
New Least Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).
<i>allowed values:</i> Air Force Marines			Army Navy			Coastguard No Information Joint Other
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Permanent	1	No Information	Boolean	Unitless	0	An indication that a feature is permanent. [Description] Temporary features last, or are meant to last, for a limited time only.

New	<i>allowed values:</i> FALSE	No Information		TRUE	
	Physical Condition	1	No Information	Enumeration	Unitless
	<i>allowed values:</i> Damaged No Information Unmaintained		Destroyed Ruined	Dismantled Site Preparation	Intact Under Construction
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless
	<i>allowed values:</i> U				
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless
	<i>allowed values:</i> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless
	<i>allowed values:</i> No Information				
	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless
	<i>allowed values:</i> No Information				
	Specified Domain Values(s)	1	No Information	String	Unitless
	<i>allowed values:</i> No Information				
	Structural Material Type	3	No Information	Enumeration	Unitless
	<i>allowed values:</i> Bedrock Masonry Reinforced Concrete		Boulders No Information Soil	Brick Other Wood	Concrete Prestressed Concrete
	Unique Entity Identifier	1	No Information	String	Unitless
	<i>allowed values:</i> No Information				

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: UndergroundBunker (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 UndergroundBunker (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 UndergroundBunker (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 UndergroundBunker (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 UndergroundBunker (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 UndergroundBunker (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 UndergroundBunker (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 UndergroundBunker (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 UndergroundBunker (Area 00) - is a member of group - Exactly one - MilitarySrf (FeatureGroup 00)

Feature UndergroundBunker (Point 00)

New ☐ Underground Bunker

A reinforced underground shelter. [Description] May be located within a mountain or buried below the terrain. Often used as an underground facility for military command, control, and/or troop billeting.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
allowed values: Civilian National Public International No Information State Joint Military and Civilian Other Military Private						
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
allowed values: -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values: No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational						
New Feature Code	1	AH060	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: AH060						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values: No Information						
New Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The type of designated hazard protection shelter based on the kind of emergency. [Description] These shelters may be inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
allowed values: Bomb Shelter Storm Shelter Fallout Shelter No Information Other						
New Least Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling.
allowed values: -999999						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).
allowed values: Air Force Marines			Army Navy			Coastguard No Information Joint Other
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Permanent	1	No Information	Boolean	Unitless	0	An indication that a feature is permanent. [Description] Temporary features last, or are meant to last, for a limited time only.
allowed values: FALSE			No Information			TRUE
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
allowed values: Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:			Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Bedrock Masonry Reinforced Concrete			Boulders No Information Soil			Brick Other Wood Concrete Prestressed Concrete
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: UndergroundBunker (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 UndergroundBunker (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 UndergroundBunker (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 UndergroundBunker (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 UndergroundBunker (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 UndergroundBunker (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 UndergroundBunker (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 UndergroundBunker (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 UndergroundBunker (Point 00) - is a member of group - Exactly one - MilitaryPnt (FeatureGroup 00)

Feature UndergroundDwelling (Point 00)New ☐ Underground Dwelling**Underground living quarters.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational

New	Feature Code	1	AL250	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<u>allowed values:</u> AL250						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The type of designated hazard protection shelter based on the kind of emergency. [Description] These shelters may be inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
	<u>allowed values:</u> Bomb Shelter Storm Shelter			Fallout Shelter		No Information	Other
New	Least Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling.
	<u>allowed values:</u> -999999						
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information		True	
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<u>allowed values:</u> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<u>allowed values:</u> U						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

AGDM v2.1 Draft v2_1draft

UndergroundDwelling (Point 00)

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: UndergroundDwelling (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
UndergroundDwelling (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
UndergroundDwelling (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
UndergroundDwelling (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
UndergroundDwelling (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
UndergroundDwelling (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
UndergroundDwelling (Point 00) - is a member of group - Exactly one - StructurePnt (FeatureGroup 00)

Feature UtilityCover (Point 00)

New ☐ Utility Cover

A removable cover or plate which provides access to underground utility tunnels, distribution lines, or drainage systems. [Description] For example, a manhole cover.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Accessible Utility Type	3	No Information	Enumeration	Unitless	0	The type(s) of utility that can be accessed through a utility cover.
allowed values:			Cable Television Heating Fluid Circulation Sewage Telephone			Cooling Fluid Circulation Natural Gas Distribution Storm Sewer Traffic Light Digital Fibre-optic System No Information Street Light Water Distribution Electric Power Distribution Other Telegraph
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values:			-999999			
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values:			No Information Partially Operational			Non-operational Planned Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ115	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values:			AQ115			
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values:			No Information			
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
allowed values:			Accurate			Approximate Doubtful No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values:			-999999			
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values:			No Information			
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values:			No Information			
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
allowed values:			Damaged No Information Unmaintained			Destroyed Ruined Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values:			U			
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
allowed values: Aluminum Other			Iron Part Metal			Metal Steel No Information Wood
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: UtilityCover (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 UtilityCover (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 UtilityCover (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 UtilityCover (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 UtilityCover (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 UtilityCover (Point 00) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup 00)

Feature VanishingPoint (Point 00)

New ☐ Vanishing Point

The location at which a watercourse disappears into the terrain.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre		The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<u>allowed values:</u> -999999						
Average Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<u>allowed values:</u> [-999999, -999999]			No Information			
New Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre		The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<u>allowed values:</u> -999999						
New Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density		The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<u>allowed values:</u> -999999						
New Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre		The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<u>allowed values:</u> -999999						
Direction of Flow	1	-999999	REAL	Arc Degree	0	The bearing of movement or direction of the flow.
<u>allowed values:</u> -999999						
New Feature Code	1	BH145	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BH145						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Other			Historical Transliterated Provisional			Native Transliterated Unverified Transliterated No Information Variant Transliterated
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
New Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre		The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						

New	Water Resource Information : pH of Water	1	-999999	Real	Milligrams per Litre		The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<u>allowed values:</u> -999999						
	Predominant Average Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average water velocity, exclusive of high water due to runoff or low water due to drought.
	<u>allowed values:</u> [-999999, -999999]			No Information			
	Predominant Maximum Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	<u>allowed values:</u> [-999999, -999999]			No Information			
	Predominant Maximum Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.
	<u>allowed values:</u> [-999999, -999999]						
	Predominant Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	<u>allowed values:</u> [-999999, -999999]			No Information			
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<u>allowed values:</u> U						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
	<u>allowed values:</u>						
	Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
	Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
	General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
	Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
	Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
	Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
	No Information			Other			Swedish Armed Forces (Sweden)
	Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
	U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
	U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
	U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
	U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
	U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
	U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
	U.S. Transportation Command (USTRANSCOM)						
	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
	<u>allowed values:</u> No Information						
	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
	<u>allowed values:</u> No Information						
	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
	<u>allowed values:</u> No Information						

New	Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre		The mass of sulfate ions per volume of solution.
	<i>allowed values:</i>	-999999					
New	Water Resource Information : Temperature	1	-999999	Real	Degree Celsius		The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
	<i>allowed values:</i>	-999999					
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre		The total mass of dissolved inorganic chemical constituents per volume of solution.
	<i>allowed values:</i>	-999999					
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units		The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<i>allowed values:</i>	-999999					
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<i>allowed values:</i>	No Information					
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime		The electrical conductivity of water.
	<i>allowed values:</i>	-999999					
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre		The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<i>allowed values:</i>	-999999					
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless		The potability of water based on the type of treatment required before it is safe for human consumption.
	<i>allowed values:</i>	Contaminated Potable		No Information Treatable		Nonpotable	Other
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless		The type of available water based on its composition.
	<i>allowed values:</i>	Alkaline Mineral Saline		Brackish No Information Seawater		Brine Not Applicable	Fresh Other
	Watercourse Sink Type	1	No Information	Enumeration	Unitless	0	The type of the sink of a watercourse.
	<i>allowed values:</i>	Disappearing Other		Dissipating Sinkhole		Hole	No Information
	Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
	<i>allowed values:</i>	-999999					

Relationships: VanishingPoint (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 VanishingPoint (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 VanishingPoint (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 VanishingPoint (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 VanishingPoint (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 VanishingPoint (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 VanishingPoint (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 VanishingPoint (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 VanishingPoint (Point 00) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup 00)

Feature VehicleBarrier (Line 00)New ☐ Vehicle Barrier

A obstruction placed across a transportation route (for example: a road, a railway, a tunnel, or a bridge) to prevent the passage of vehicles.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AP041	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AP041						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.

allowed values:	<i>Damaged</i> No Information <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>		<i>Dismantled</i> <i>Site Preparation</i>		<i>Intact</i> <i>Under Construction</i>
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.		
allowed values:	<i>U</i>							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.		
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) <i>No Information</i> Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) <i>Other</i> U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)	
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.		
allowed values:	<i>No Information</i>							
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.		
allowed values:	<i>No Information</i>							
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.		
allowed values:	<i>No Information</i>							
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.		
allowed values:	Concrete <i>Other</i> Wood		Masonry Prestressed Concrete		Metal Reinforced Concrete		<i>No Information</i> Soil	
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.		
allowed values:	<i>No Information</i> Underground Railway		<i>Other</i>		Railway		Road	
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.		
allowed values:	<i>No Information</i>							

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: VehicleBarrier (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 VehicleBarrier (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 VehicleBarrier (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 VehicleBarrier (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 VehicleBarrier (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 VehicleBarrier (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 VehicleBarrier (Line 00) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup 00)

Feature VehicleBarrier (Point 00)

New ☐ Vehicle Barrier

A obstruction placed across a transportation route (for example: a road, a railway, a tunnel, or a bridge) to prevent the passage of vehicles.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AP041	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AP041						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>			Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Concrete Other Wood			Masonry Prestressed Concrete			Metal Reinforced Concrete No Information Soil
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> No Information Underground Railway			Other			Railway Road

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: VehicleBarrier (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
VehicleBarrier (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
VehicleBarrier (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
VehicleBarrier (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
VehicleBarrier (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
VehicleBarrier (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
VehicleBarrier (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
VehicleBarrier (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)
VehicleBarrier (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature VehicleLot (Area 00)

New ☐ Vehicle Lot

A tract used for storing and/or parking vehicles (for example: recreational vehicles) and/or vessels.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<u>allowed values:</u> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ140	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AQ140						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u>	-999999					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u>	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u>	False		No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u>	Damaged		Destroyed		Dismantled	
	No Information		Ruined		Intact	
	Unmaintained				Site Preparation	
					Under Construction	
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u>	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)					Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)
	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)					Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u>	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.

allowed values: No Information

Route Pavement Information : Route Surface Composition		1	No Information	Enumeration	Unitless	0	The composition(s) of a durable surface (for example: a pavement) intended to sustain ground traffic (for example: vehicular traffic or foot traffic). [Description] Depending on the traffic situation (for example: on a floor, in a courtyard, or on a road) different compositions may be used, however in general such surfaces are composed of pieces of a hard material fitted closely together (for example: cobble-stone or brick) or of an undivided hard layer (for example: concrete) so as to give a compact, uniform, and smooth surface.	
<i>allowed values:</i>	Aggregate			Asphalt			Asphalt over Concrete	Bound Surface
	Brick			Cobble-stone			Concrete	Corduroy
	Flexible Pavement			Ice			Macadam	Metal
	No Information			Other			Rigid Pavement	Snow
	Stabilized Earth			Unimproved			Wood	Wood Plank

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Vehicle Type		1	No Information	Enumeration	Unitless	0	The type of a vehicle based on its use and/or mode of propulsion.	
<i>allowed values:</i>	Aircraft			Automobile			Barge	Bicycle
	Boat			Bus			Caravan	Caravanette
	Motorcycle			No Information			Other	Ship

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: VehicleLot (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 VehicleLot (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 VehicleLot (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 VehicleLot (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 VehicleLot (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 VehicleLot (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 VehicleLot (Area 00) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup 00)

Feature VesselLift (Area 00)New ☐ Vessel Lift

A mechanical device for lifting vessels from the water. [Description] The device may be, for example, a stationary crane or a wheeled vehicle. After removal from the water the vessel may be maintained (for example: cleaning the hull of encrustations) or stored (for example: moved to a building, shed, or lot for winter storage).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999

<i>allowed values:</i>						
Facility Operational Status	1	No Information	Enumeration	Unitless	The status of operation of a facility, as a whole.	
<i>allowed values:</i>	No Information		Non-operational		Not in Operation	<i>Operational</i>
	Partially Operational		Planned		Temporarily Non-operational	

New	Feature Code	1	BI005	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<u>allowed values:</u> BI005						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999						
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999						
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999						
	Lifting Capacity	1	-999999	REAL	Tonne	0	The maximum weight that can be safely raised by a lifting device (for example: a crane).
	<u>allowed values:</u> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<u>allowed values:</u> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<u>allowed values:</u> U						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
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Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: VesselLift (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 VesselLift (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 VesselLift (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 VesselLift (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 VesselLift (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 VesselLift (Area 00) - is a member of group - Exactly one - PortHarbourSrf (FeatureGroup 00)

Feature Vineyard (Area 00)

New ☐ Vineyard

A tract covered by the systematic planting of grape vines.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
Crop Information : Crop Species	1	Grape	Enumeration	Unitless	0	The predominant species of a crop land.
<u>allowed values:</u> Grape						
Crop Information : Farming Pattern	3	No Information	Enumeration	Unitless	0	The general arrangement(s) and/or pattern(s) of farming fields.
<u>allowed values:</u> Intermingled Trees No Information Treeless			Intermingled Woods Other Trellised			Irregular Regular Linear Terraced
New Feature Code	1	EA050	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> EA050						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Crop Information : Irrigation Method	1	No Information	Enumeration	Unitless	0	The method used to supply crops with water.
<u>allowed values:</u> Center Pivot Other			Furrow Overhead			Linear Move No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False			No Information			True

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values: <div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Vegetation Trafficability Impact	1	[-999999, -999999]	Real_Interval	Percent		The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
allowed values: [-999999, -999999]						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values: -999999						

Relationships: Vineyard (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Vineyard (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Vineyard (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Vineyard (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Vineyard (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Vineyard (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Vineyard (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Vineyard (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Vineyard (Area 00) - is a member of group - Exactly one - AgricultureSrf (FeatureGroup 00)

Feature Vineyard (Point 00) New ☐ Vineyard

A tract covered by the systematic planting of grape vines.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Crop Information : Crop Species	1	Grape	Enumeration	Unitless	0	The predominant species of a crop land.
<i>allowed values:</i> Grape						
Crop Information : Farming Pattern	3	No Information	Enumeration	Unitless	0	The general arrangement(s) and/or pattern(s) of farming fields.
<i>allowed values:</i> Intermingled Trees No Information Treeless			Intermingled Woods Other Trellised			Irregular Regular Linear Terraced
New Feature Code	1	EA050	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> EA050						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Crop Information : Irrigation Method	1	No Information	Enumeration	Unitless	0	The method used to supply crops with water.
<i>allowed values:</i> Center Pivot Other			Furrow Overhead			Linear Move No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values:	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values:	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values:	False		No Information		True	
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values:	U					
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					

Vegetation Trafficability Impact	1	[-999999, -999999]	Real_Interval	Percent		The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
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allowed values: [-999999, -999999]

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Vineyard (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Vineyard (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Vineyard (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Vineyard (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Vineyard (Point 00) - is a member of group - Exactly one - AgriculturePnt (FeatureGroup 00)
 Vineyard (Point 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Vineyard (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature VoidCollectionArea (Area 00)

New ☐ Void Collection Area

A data collection region lacking suitable source coverage and/or where data is not required.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999

New Feature Code	1	ZD020	CONSTRAINED_STRING	Unitless	5	Feature Code
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allowed values: ZD020

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999

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

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
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allowed values: U

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
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VoidCollectionArea (Area 00)

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Void Collection Reason	3	No Information	Enumeration	Unitless	0	The reason(s) that geospatial data was not collected.
allowed values:	Cloud Cover No Available Imagery No Suitable Imagery Snow Cover		Dark Shade No Available Map Source Not Requested Vegetation Cover		Flooded No Available Survey Not Required	Inaccessible No Information Other
Void Collection Type	3	No Information	Enumeration	Unitless	0	The type(s) of geospatial data that were not collected.
allowed values:	Bathymetry Waterbody Bottom Composition		Hypsography		No Information	Other
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: VoidCollectionArea (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 VoidCollectionArea (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 VoidCollectionArea (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 VoidCollectionArea (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 VoidCollectionArea (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 VoidCollectionArea (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 VoidCollectionArea (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 VoidCollectionArea (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 VoidCollectionArea (Area 00) - is a member of group - Exactly one - InformationSrf (FeatureGroup 00)

Feature VolcanicDyke (Line 00)New ☐ Volcanic Dyke

A sheet of rock filling a fissure that sometimes shows as a terrain ridge. [Description] Especially a mass of igneous rock that has intruded upwards through strata.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Feature Code	1	DB190	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> DB190						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Surface Slope	1	[-999999, -999999]	REAL_Interval	Percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
allowed values:	<div>[-999999, -999999]</div> <div>Greater-than to Less-than-or-equal Interval</div> <div>Open Interval</div> <div>Closed Interval</div> <div>Greater-than-or-equal to Less-than Interval</div> <div>Greater-than or Equal Semi-interval</div> <div>Less-than or Equal Semi-interval</div> <div>Greater-than Semi-interval</div> <div>Less-than Semi-interval</div>					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: VolcanicDyke (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 VolcanicDyke (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 VolcanicDyke (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 VolcanicDyke (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 VolcanicDyke (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 VolcanicDyke (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 VolcanicDyke (Line 00) - is a member of group - Exactly one - PhysiographyCrv (FeatureGroup 00)
 VolcanicDyke (Line 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature Volcano (Area 00)New ☐ Volcano

A hill or mountain situated over an opening or openings in the Earth's crust through which lava, cinders, steam, and/or gases, are or have been expelled.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	DB180	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> DB180						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False		No Information				True

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
allowed values: U							
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:	Army Geographic Agency (Netherlands)		Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)		Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)		Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)		Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)		Military Geographic Group (Estonia)			Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)		Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information		Other			Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)		U.S. Africa Command (USAFRICOM)			U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)		U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)		U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)		U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps		U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)		U.S. National Security Agency (NSA)			U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)		U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values: No Information							
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values: No Information							
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values: No Information							
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values: No Information							
Volcanic Activity	1	No Information	Enumeration	Unitless	0	The current level of activity of a volcano.	
allowed values:	Active		Dormant			Inactive or Extinct	No Information
Volcano Shape	1	No Information	Enumeration	Unitless	0	The classification by shape of a volcano.	
allowed values:	Caldera		Cinder Cone			Composite	Cone
	No Information		Shield				

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Volcano (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Volcano (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Volcano (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Volcano (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Volcano (Area 00) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup 00)
 Volcano (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 Volcano (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature Volcano (Point 00)

New ☐ Volcano

A hill or mountain situated over an opening or openings in the Earth's crust through which lava, cinders, steam, and/or gases, are or have been expelled.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	DB180	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> DB180						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values: False			No Information			True
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Volcanic Activity	1	No Information	Enumeration	Unitless	0	The current level of activity of a volcano.
allowed values: Active			Dormant			Inactive or Extinct
Volcano Shape	1	No Information	Enumeration	Unitless	0	The classification by shape of a volcano.
allowed values: Caldera			Cinder Cone			Composite
No Information			Shield			Cone

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Volcano (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Volcano (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Volcano (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Volcano (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Volcano (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Volcano (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Volcano (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Volcano (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Volcano (Point 00) - is a member of group - Exactly one - PhysiographyPnt (FeatureGroup 00)

Feature Wall (Line 00)

New ☐ Wall

A solid man-made barrier of generally heavy material used as an enclosure, boundary, or for protection.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Barrier Top Type	1	No Information	Enumeration	Unitless	0	The type of structure and/or material mounted on the top of a barrier (for example: a fence or a wall).
<i>allowed values:</i> Barbed Wire No Information			Chain-link Other			Concertina Wire Spiked Electrified Wire
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AL260	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL260						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

allowed values: -999999

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Predominant Feature Height	1	[-999999, -999999]	Real_Interval	Metre		The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).
<i>allowed values:</i> [-999999, -999999]			-999999			
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
U.S. National Oceanic and Atmospheric Administration						
U.S. Northern Command (USNORTHCOM)						
U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.

allowed values: No Information

Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
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<u>allowed values:</u> Brick	Concrete	Masonry	Metal
No Information	Other	Prestressed Concrete	Reinforced Concrete
Steel	Stone	Treated Timber	Wood

Thickness	1	-999999	REAL	Metre	0	The distance between the two opposite surfaces of an object, usually the distance of smallest measure. [Description] The third dimension of an object, distinct from length and width (breadth).
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allowed values: -999999

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Wall Type	1	No Information	Enumeration	Unitless	0	The type of a wall based on structure and/or function.
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<u>allowed values:</u> Free-standing	No Information	Other	Retaining
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Relationships: Wall (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Wall (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Wall (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Wall (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Wall (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Wall (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Wall (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Wall (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Wall (Line 00) - is a member of group - Exactly one - StructureCrv (FeatureGroup 00)

Feature WasteHeap (Area 00)New ☒ Waste Heap

An area where heaped material (for example: waste or spoil) is deposited. [Description] This is typically human trash piles and may be found anywhere, it is not a transfer station or established site, nor is it always associated with a facility.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Feature Code	1	AB507	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AB507						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.

allowed values: No Information

Relationships: WasteHeap (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
WasteHeap (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
WasteHeap (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
WasteHeap (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
WasteHeap (Area 00) - is a member of group - Exactly one - CultureSrf (FeatureGroup 00)
WasteHeap (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
WasteHeap (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature WasteHeap (Point 00)

New ☒ Waste Heap

An area where heaped material (for example: waste or spoil) is deposited. [Description] This is typically human trash piles and may be found anywhere, it is not a transfer station or established site, nor is it always associated with a facility.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Feature Code	1	AB507	CONSTRAINED_STRING	Unitless	5	Feature Code

allowed values: AB507

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						

Relationships: WasteHeap (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
WasteHeap (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
WasteHeap (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
WasteHeap (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
WasteHeap (Point 00) - is a member of group - Exactly one - CulturePnt (FeatureGroup 00)
WasteHeap (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature WaterAerodrome (Area 00)

New ☐ Water Aerodrome

An aerodrome intended to be used either wholly or in part for the arrival, departure and surface movement of aircraft on water.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aerodrome Elevation	1	-999999	REAL	Metre	0	The vertical distance above Mean Sea Level (MSL) of the highest point of the landing area. <i>allowed values:</i> -999999
Aerodrome Official Name	1	No Information	String	Unitless	80	The primary official name of an aerodrome as designated by an appropriate authority. <i>allowed values:</i> No Information
Airfield Symbol Type	1	No Information	Enumeration	Unitless	0	The type of airfield symbol designation. <i>allowed values:</i> A - Active Civilian E - Abandoned or Closed (with usable runways or landing areas) B - Active Joint (Civilian/Military) G - Unusable for landing or take-off C - Active Military No Information D - Active (with less than the minimum facilities) X - Decoy
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature. <i>allowed values:</i> -999999
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public). <i>allowed values:</i> Civilian National Public International No Information State Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a facility, as a whole. <i>allowed values:</i> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational
New Feature Code	1	GB065	CONSTRAINED_STRING	Unitless	5	Feature Code <i>allowed values:</i> GB065
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end. <i>allowed values:</i> No Information
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof. <i>allowed values:</i> -999999
ICAO Location Indicator	1	No Information	String	Unitless	14	The identifier that is assigned to a location in accordance with rules prescribed by the International Civil Aviation Organization (ICAO) in Document 7910. [Description] If available this indicator shall be used as primary for identification. <i>allowed values:</i> No Information
Installation Operator	1	No Information	String	Unitless	2E+09	The name of the company or authority operating an installation. <i>allowed values:</i> No Information
New Largest Aircraft	1	No Information	String	Unitless	254	The largest aircraft that has used the facility within the past five years. <i>allowed values:</i> No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter. <i>allowed values:</i> -999999

Magnetic Variation	1	-999999	Real	Arc Degree	0	The angular difference between True North and Magnetic North measured at a given position and date. [Description] The value given indicates whether the angular difference is East (positive) or West (negative) of True North. True North is the direction of the northern point at which the geographic meridian lines meet.
<i>allowed values:</i> -999999						
Magnetic Variation Date	1	No Information	Constrained_String	Unitless	20	The date on which the magnetic variation was measured.
<i>allowed values:</i> No Information						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> <div>Damaged</div> <div>No Information</div> <div>Unmaintained</div> <div>Destroyed</div> <div>Ruined</div> <div>Dismantled</div> <div>Site Preparation</div> <div>Intact</div> <div>Under Construction</div>						
Port of Entry	1	No Information	Boolean	Unitless	0	An indication that a facility is a port of entry for customs and immigration purposes.
<i>allowed values:</i> <div>False</div> <div>No Information</div> <div>True</div>						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> <div>Army Geographic Agency (Netherlands)</div> <div>Defence Acquisition and Logistics Organization (Denmark)</div> <div>General Command of Mapping (Turkey)</div> <div>Geospatial Intelligence Organisation (New Zealand)</div> <div>Mapping Service (Hungary)</div> <div>Military Mapping Centre (Lithuania)</div> <div>No Information</div> <div>Topographic Service (Finland)</div> <div>U.S. Army Geospatial Center (AGC)</div> <div>U.S. Defense Intelligence Agency (DIA)</div> <div>U.S. European Command (USEUCOM)</div> <div>U.S. Marine Corps</div> <div>U.S. National Reconnaissance Office (NRO)</div> <div>U.S. Pacific Command (PACOM)</div> <div>U.S. Transportation Command (USTRANSCOM)</div> <div>Army Geographic Centre (Spain)</div> <div>Defence Geographic Centre Intelligence Collection Group (United Kingdom)</div> <div>Geographic Service (Belgium)</div> <div>Hellenic Military Geographic Service (Greece)</div> <div>Military Geographic Group (Estonia)</div> <div>Military Topographic Directorate (Romania)</div> <div>Other</div> <div>U.S. Africa Command (USAFRICOM)</div> <div>U.S. Central Command (USCENTCOM)</div> <div>U.S. Department of Energy (DOE)</div> <div>U.S. Federal Bureau of Investigation (FBI)</div> <div>U.S. National Civil Applications Program (NCAP)</div> <div>U.S. National Security Agency (NSA)</div> <div>U.S. Southern Command (USSOUTHCOM)</div> <div>Army Geographic Institute (Portugal)</div> <div>Defence Imagery and Geospatial Organisation (Australia)</div> <div>Geographic Service of the Czech Armed Forces (Czech Republic)</div> <div>Joint Geography Bureau (France)</div> <div>Military Geographic Service (Norway)</div> <div>Military Topographic Service (Bulgaria)</div> <div>Swedish Armed Forces (Sweden)</div> <div>U.S. Air Force</div> <div>U.S. Central Intelligence Agency (CIA)</div> <div>U.S. Department of Homeland Security (DHS)</div> <div>U.S. Geological Survey (USGS)</div> <div>U.S. National Geospatial-Intelligence Agency (NGA)</div> <div>U.S. Navy</div> <div>U.S. Special Operations Command (USSOCOM)</div> <div>Bundeswehr Geoinformation Office (Germany)</div> <div>Defense Information Security (Italy)</div> <div>Geospatial Information Agency (Latvia)</div> <div>Mapping and Charting Establishment (Canada)</div> <div>Military Geography Division (Poland)</div> <div>National Army Topographic Service (Moldova)</div> <div>Topographic Institute (Slovakia)</div> <div>U.S. Army</div> <div>U.S. Coast Guard</div> <div>U.S. Department of State</div> <div>U.S. Joint Forces Command (USJFCOM)</div> <div>U.S. National Oceanic and Atmospheric Administration</div> <div>U.S. Northern Command (USNORTHCOM)</div> <div>U.S. Strategic Command (USSTRATCOM)</div>						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: WaterAerodrome (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 WaterAerodrome (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 WaterAerodrome (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 WaterAerodrome (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 WaterAerodrome (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 WaterAerodrome (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 WaterAerodrome (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 WaterAerodrome (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 WaterAerodrome (Area 00) - is a member of group - Exactly one - AeronauticSrf (FeatureGroup 00)

Feature WaterAerodrome (Point 00) New ☐ Water Aerodrome

An aerodrome intended to be used either wholly or in part for the arrival, departure and surface movement of aircraft on water.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aerodrome Elevation	1	-999999	REAL	Metre	0	The vertical distance above Mean Sea Level (MSL) of the highest point of the landing area.
<i>allowed values:</i> -999999						
Aerodrome Official Name	1	No Information	String	Unitless	80	The primary official name of an aerodrome as designated by an appropriate authority.
<i>allowed values:</i> No Information						
Airfield Symbol Type	1	No Information	Enumeration	Unitless	0	The type of airfield symbol designation.
<i>allowed values:</i> A - Active Civilian E - Abandoned or Closed (with usable runways or landing areas)			B - Active Joint (Civilian/Military) G - Unusable for landing or take-off			C - Active Military No Information D - Active (with less than the minimum facilities) X - Decoy
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational

New	Feature Code	1	GB065	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u> GB065						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999						
	ICAO Location Indicator	1	No Information	String	Unitless	14	The identifier that is assigned to a location in accordance with rules prescribed by the International Civil Aviation Organization (ICAO) in Document 7910. [Description] If available this indicator shall be used as primary for identification.
	<u>allowed values:</u> No Information						
	Installation Operator	1	No Information	String	Unitless	2E+09	The name of the company or authority operating an installation.
	<u>allowed values:</u> No Information						
New	Largest Aircraft	1	No Information	String	Unitless	254	The largest aircraft that has used the facility within the past five years.
	<u>allowed values:</u> No Information						
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999						
	Magnetic Variation	1	-999999	Real	Arc Degree	0	The angular difference between True North and Magnetic North measured at a given position and date. [Description] The value given indicates whether the angular difference is East (positive) or West (negative) of True North. True North is the direction of the northern point at which the geographic meridian lines meet.
	<u>allowed values:</u> -999999						
	Magnetic Variation Date	1	No Information	Constrained_String	Unitless	20	The date on which the magnetic variation was measured.
	<u>allowed values:</u> No Information						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<u>allowed values:</u> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
	Port of Entry	1	No Information	Boolean	Unitless	0	An indication that a facility is a port of entry for customs and immigration purposes.
	<u>allowed values:</u> False			No Information		True	
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<u>allowed values:</u> U						

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>					
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: WaterAerodrome (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
WaterAerodrome (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
WaterAerodrome (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
WaterAerodrome (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
WaterAerodrome (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
WaterAerodrome (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
WaterAerodrome (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
WaterAerodrome (Point 00) - is a member of group - Exactly one - AeronauticPnt (FeatureGroup 00)

Feature WaterbodyDivider (Area 00)New ☐ Waterbody Divider

An artificial structure subdividing a waterbody. [Description] May consist of an artificial earthen embankment subdividing a pond or rice paddy, or an artificial partition (constructed, for example, from concrete or steel) subdividing a fish hatchery tank or water treatment plant aeration tank.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	FC035	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> FC035						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
						Bundeswehr Geoinformation Office (Germany)
						Defense Information Security (Italy)
						Geospatial Information Agency (Latvia)
						Mapping and Charting Establishment (Canada)
						Military Geography Division (Poland)
						National Army Topographic Service (Moldova)
						Topographic Institute (Slovakia)
						U.S. Army
						U.S. Coast Guard
						U.S. Department of State
						U.S. Joint Forces Command (USJFCOM)
						U.S. National Oceanic and Atmospheric Administration
						U.S. Northern Command (USNORTHCOM)
						U.S. Strategic Command (USSTRATCOM)

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<u>allowed values:</u> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<u>allowed values:</u> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<u>allowed values:</u> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: WaterbodyDivider (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 WaterbodyDivider (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 WaterbodyDivider (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 WaterbodyDivider (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 WaterbodyDivider (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)
 WaterbodyDivider (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 WaterbodyDivider (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature Waterfall (Line 00)New ☐ Waterfall

A vertically descending part of a watercourse where it falls from a height (for example: over a rock or a precipice). [Description] In place names, commonly shortened to 'fall' or 'falls', for example, 'Niagara Falls'.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	BH180	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BH180						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.

allowed values: -999999

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
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allowed values: -999999

Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999

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

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

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

No Information

True

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
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allowed values: U

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
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<u>allowed values:</u>	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
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allowed values: No Information

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<u>allowed values:</u> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<u>allowed values:</u> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<u>allowed values:</u> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Waterfall (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Waterfall (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Waterfall (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Waterfall (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Waterfall (Line 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Waterfall (Line 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Waterfall (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Waterfall (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Waterfall (Line 00) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup 00)

Feature Waterfall (Point 00) New ☐ Waterfall

A vertically descending part of a watercourse where it falls from a height (for example: over a rock or a precipice). [Description] In place names, commonly shortened to 'fall' or 'falls', for example, 'Niagara Falls'.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
New Feature Code	1	BH180	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BH180						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.

allowed values: -999999

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u> <div> <div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div> </div>						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.

allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: Waterfall (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Waterfall (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Waterfall (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Waterfall (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Waterfall (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Waterfall (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Waterfall (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Waterfall (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Waterfall (Point 00) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup 00)

Feature WaterIntakeTower (Area 00)New ☐ Water Intake Tower**A tower-like structure associated with a dam or water source and used for the intake of water.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<u>allowed values:</u> <i>False</i>			<i>No Information</i>			<i>True</i>
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999						
<i>New</i> Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre		The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<u>allowed values:</u> -999999						
<i>New</i> Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre		The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<u>allowed values:</u> -999999						
<i>New</i> Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density		The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<u>allowed values:</u> -999999						
<i>New</i> Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre		The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<u>allowed values:</u> -999999						

Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i>	No Information Partially Operational		Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	BI050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i>	<i>BI050</i>					
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i>	No Information					
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i>	<i>-999999</i>					
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i>	<i>-999999</i>					
Hydrologic Persistence	1	No Information	Enumeration	Unitless		The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i>	Dry Perennial		<i>Ephemeral</i>			Intermittent No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i>	<i>-999999</i>					
New Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre		The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i>	<i>-999999</i>					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i>	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i>	<i>False</i>		No Information			<i>True</i>
New Water Resource Information : pH of Water	1	-999999	Real	Milligrams per Litre		The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i>	<i>-999999</i>					
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i>	Damaged No Information Unmaintained		Destroyed Ruined			Dismantled Site Preparation <i>Intact</i> <i>Under Construction</i>

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
New Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre		The mass of sulfate ions per volume of solution.
allowed values: -999999						
New Water Resource Information : Temperature	1	-999999	Real	Degree Celsius		The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
allowed values: -999999						
New Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre		The total mass of dissolved inorganic chemical constituents per volume of solution.
allowed values: -999999						
New Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units		The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
allowed values: -999999						

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum Masonry Prestressed Concrete						
Brick Metal Reinforced Concrete						
Concrete No Information Steel						
Iron Other Treated Timber						
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
<i>allowed values:</i> No Information						
New Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime		The electrical conductivity of water.
<i>allowed values:</i> -999999						
New Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre		The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
<i>allowed values:</i> -999999						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless		The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable						
No Information Treatable						
Nonpotable						
Other						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless		The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline						
Brackish No Information Seawater						
Brine Not Applicable						
Fresh Other						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						

Relationships: WaterIntakeTower (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 WaterIntakeTower (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 WaterIntakeTower (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 WaterIntakeTower (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 WaterIntakeTower (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 WaterIntakeTower (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 WaterIntakeTower (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)

Feature WaterIntakeTower (Point 00)

New ☐ Water Intake Tower

A tower-like structure associated with a dam or water source and used for the intake of water.

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

	<u>allowed values:</u> <i>False</i>		No Information		<i>True</i>		
	Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
	<u>allowed values:</u> <i>-999999</i>						
New	Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre		The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
	<u>allowed values:</u> <i>-999999</i>						
New	Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre		The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<u>allowed values:</u> <i>-999999</i>						
New	Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density		The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<u>allowed values:</u> <i>-999999</i>						
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre		The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<u>allowed values:</u> <i>-999999</i>						
	Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
	<u>allowed values:</u> No Information <i>Partially Operational</i>			Non-operational Planned		Not in Operation Temporarily Non-operational	<i>Operational</i>
New	Feature Code	1	BI050	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u> <i>BI050</i>						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> <i>-999999</i>						
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> <i>-999999</i>						
	Hydrologic Persistence	1	No Information	Enumeration	Unitless		The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<u>allowed values:</u> Dry Perennial			<i>Ephemeral</i>		Intermittent	No Information
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> <i>-999999</i>						
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre		The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<u>allowed values:</u> <i>-999999</i>						

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Water Resource Information : pH of Water	1	-999999	Real	Milligrams per Litre		The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						

Specified Domain Values(s)							1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<u>allowed values:</u> No Information												
New	Water Resource Information : Sulfate Concentration		1	-999999	Real	Milligrams per Litre						The mass of sulfate ions per volume of solution.
<u>allowed values:</u> -999999												
New	Water Resource Information : Temperature		1	-999999	Real	Degree Celsius						The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<u>allowed values:</u> -999999												
New	Water Resource Information : Total Dissolved Solids		1	-999999	Real	Milligrams per Litre						The total mass of dissolved inorganic chemical constituents per volume of solution.
<u>allowed values:</u> -999999												
New	Water Resource Information : Turbidity		1	-999999	Real	Nephelometric Turbidity Units						The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<u>allowed values:</u> -999999												
Unique Entity Identifier							1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<u>allowed values:</u> No Information												
Vertical Construction Material							3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<u>allowed values:</u> Aluminum Masonry Prestressed Concrete									Brick Metal Reinforced Concrete	Concrete No Information Steel		Iron Other Treated Timber
Vertical Obstruction Identifier							1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
<u>allowed values:</u> No Information												
New	Water Resource Information : Water Conductivity		1	-999999	Real	MicroSiemens per Centime						The electrical conductivity of water.
<u>allowed values:</u> -999999												
New	Water Resource Information : Water Hardness		1	-999999	Real	Milligrams per Litre						The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
<u>allowed values:</u> -999999												
Water Resource Information : Water Potability							1	No Information	Enumeration	Unitless		The potability of water based on the type of treatment required before it is safe for human consumption.
<u>allowed values:</u> Contaminated Potable									No Information Treatable	Nonpotable		Other
Water Resource Information : Water Type							1	No Information	Enumeration	Unitless		The type of available water based on its composition.
<u>allowed values:</u> Alkaline Mineral Saline									Brackish No Information Seawater	Brine Not Applicable		Fresh Other

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: WaterIntakeTower (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 WaterIntakeTower (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 WaterIntakeTower (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 WaterIntakeTower (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 WaterIntakeTower (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 WaterIntakeTower (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 WaterIntakeTower (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 WaterIntakeTower (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 WaterIntakeTower (Point 00) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup 00)

Feature WaterMill (Area 00)

New ☐ Water Mill

A structure that uses a water wheel or turbine to drive a mechanical process (for example: grinding grain into flour, cutting timber into lumber, or stripping bark from trees for use in tanning). [Description] A watermill that only generates electricity is more usually termed a 'hydroelectric plant'.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
allowed values: No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
allowed values: False			No Information			True
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
allowed values: -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
allowed values: Civilian National State			International No Information			Joint Military and Civilian Military Other Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AJ055	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: AJ055						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
allowed values: Grain Milling Power Generation			No Information Pumping			Oil-mill Sawmilling Other
Floor Count	1	-999999	REAL	Unitless	0	The number of floors in a structure (for example: a building).
allowed values: -999999						

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<i>allowed values:</i> Accurate			Approximate			Doubtful No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Coffee No Information Sugar			Cotton No Product			Lumber Olive Oil Milled Grain Other
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: WaterMill (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 WaterMill (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 WaterMill (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 WaterMill (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 WaterMill (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 WaterMill (Area 00) - is a member of group - Exactly one - IndustrySrf (FeatureGroup 00)
 WaterMill (Area 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
 WaterMill (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)

Feature WaterMill (Point 00)

New ☐ Water Mill

A structure that uses a water wheel or turbine to drive a mechanical process (for example: grinding grain into flour, cutting timber into lumber, or stripping bark from trees for use in tanning). [Description] A watermill that only generates electricity is more usually termed a 'hydroelectric plant'.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National State			International No Information			Joint Military and Civilian Other Military Private
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AJ055	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AJ055						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Grain Milling Power Generation			No Information Pumping			Oil-mill Sawmilling Other
Floor Count	1	-999999	REAL	Unitless	0	The number of floors in a structure (for example: a building).
<i>allowed values:</i> -999999						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Horizontal Accuracy Category	1	No Information	Enumeration	Unitless		A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
<u>allowed values:</u> Accurate			Approximate			Doubtful
<u>allowed values:</u> No Information						No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u> Damaged			Destroyed			Dismantled
<u>allowed values:</u> No Information			Ruined			Intact
<u>allowed values:</u> Unmaintained						Site Preparation
<u>allowed values:</u> Under Construction						
Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<u>allowed values:</u> Coffee			Cotton			Lumber
<u>allowed values:</u> No Information			No Product			Olive Oil
<u>allowed values:</u> Sugar						Milled Grain
<u>allowed values:</u> Other						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values:	No Information					
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values:	No Information					
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values:	No Information					
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values:	No Information					
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
allowed values:	No Information					
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999					

Relationships: WaterMill (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 WaterMill (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 WaterMill (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 WaterMill (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 WaterMill (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 WaterMill (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 WaterMill (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 WaterMill (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 WaterMill (Point 00) - is a member of group - Exactly one - IndustryPnt (FeatureGroup 00)

Feature WaterMovementDataLocation (Point 00) New ☐ Water Movement Data Location

A location at which currents, tides, and/or other types of water movement are specified.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Hydrographic Depth : Sounding Metadata : Bathymetric Measurement Quality Category	3	No Information	Enumeration	Unitless	0	A general evaluation of the qualities of a bathymetric measurement, as a category. [Description] Drying heights are typically captured using negative (bathymetric) sounding values; their certainty of measurement may be categorized in the same manner as positive values.
<i>allowed values:</i> Depth Doubtful Least Depth <i>Not Applicable</i> Unconfirmed Depth			Depth Known Maintained Depth <i>Other</i> Unmaintained Depth			Depth Unreliable <i>No Information</i> Safe Clearance Known
Hydrographic Depth : Sounding Metadata : Bathymetric Measurement Technique	3	No Information	Enumeration	Unitless	0	The technique used to determine water depth(s).
<i>allowed values:</i> Area Swept by Side-scan Sonar Computer Generated Lead-line <i>Other</i> Singlebeam			Area Swept by Vertical Acoustic System Diver Levelling Photogrammetry Underwater Utility Vehicle			Area Swept by Wire-drag Echo Sounder Multi-beam Echo Sounder Satellite Imagery Bathymetric LiDAR Electromagnetic Sensor <i>No Information</i> Side-scan Sonar
Current Rate (Speed)	1	-999999	REAL	Knot	0	Current speed in knots.
<i>allowed values:</i> -999999						
Current Rate Maximum	1	-999999	REAL	Knot	0	Maximum speed of current.
<i>allowed values:</i> -999999						
Current Rate Minimum	1	-999999	REAL	Knot	0	Minimum speed of current.
<i>allowed values:</i> -999999						
Current Type Category	1	No Information	Enumeration	Unitless	0	The type of horizontal movement of a body of water based on the mechanism(s) causing the flow.
<i>allowed values:</i> Ebb Stream Ocean Current Tidal Flow			Flood Stream <i>Other</i> Underwater River Flow			Longshore Rip <i>No Information</i> River Flow
<i>New</i> Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i> -999999						
Direction of Flow	1	-999999	REAL	Arc Degree	0	The bearing of movement or direction of the flow.
<i>allowed values:</i> -999999						
<i>New</i> Feature Code	1	BG010	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> BG010						

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Hydrographic Depth	1	-999999	REAL	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Periodic Marine Current Month Interval	1	No Information	String	Unitless	14	The month interval of the presence of a marine current. [Description] For example, a marine current may be present during the months of March through June.
<u>allowed values:</u> No Information						
Reference Water Level	1	No Information	Enumeration	Unitless	0	The reference water level from which temporal offsets in a time-series of measurements (for example: current speed or current direction) are determined.
<u>allowed values:</u> High Tide			Low Tide			No Information
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<u>allowed values:</u> No Information						

Hydrographic Depth : Sounding Metadata : Sounding Datum	1	No Information	Enumeration	Unitless	0	The tidal datum to which soundings and drying heights are referenced. [Description] It is usually taken to correspond to a low water stage of the tide.
allowed values: <div> <div>Approximate Lowest Astronomical Tide</div> <div>Approximate Mean Sea Level</div> <div>High Water Springs</div> <div>Highest High Water</div> <div>Local Datum</div> <div>Lower Low Water Large Tide</div> <div>Mean High Water</div> <div>Mean Higher High Water Springs</div> <div>Mean Lower Low Water</div> <div>Mean Water Level</div> <div>No Information</div> </div> <div> <div>Approximate Mean Low Water</div> <div>Chart Datum (Unspecified)</div> <div>Higher High Water</div> <div>Indian Spring High Water</div> <div>Low Water</div> <div>Lowest Astronomical Tide</div> <div>Mean High Water Neaps</div> <div>Mean Low Water</div> <div>Mean Lower Low Water Springs</div> <div>Neap Tide</div> <div>Other</div> </div> <div> <div>Approximate Mean Low Water Springs</div> <div>Equinoctial Spring Low Water</div> <div>Higher High Water Large Tide</div> <div>Indian Spring Low Water</div> <div>Low Water Springs</div> <div>Lowest Low Water</div> <div>Mean High Water Springs</div> <div>Mean Low Water Neaps</div> <div>Mean Sea Level</div> <div>Nearly Highest High Water</div> <div>Spring Tide</div> </div> <div> <div>Approximate Mean Lower Low Water</div> <div>High Water</div> <div>Highest Astronomical Tide</div> <div>International Great Lakes Datum 1985</div> <div>Lower Low Water</div> <div>Lowest Low Water Springs</div> <div>Mean Higher High Water</div> <div>Mean Low Water Springs</div> <div>Mean Tide Level</div> <div>Nearly Lowest Low Water</div> </div>						
Hydrographic Depth : Sounding Metadata : Sounding Datum Name	1	No Information	String	Unitless	80	The name of the tidal datum to which soundings and drying heights are referenced. [Description] Used when the sounding datum is known but not specified using Attribute: 'Sounding Datum'.
allowed values: No Information						
Hydrographic Depth : Sounding Metadata : Sounding Velocity Correction Method	1	No Information	Enumeration	Unitless	0	The method of correction that has been used to correct a sounding velocity instrument reading to obtain the correct depth.
allowed values: <div> <div>Mathews Tables</div> <div>Sound Velocity Meter</div> </div> <div>No Information</div> <div> <div>Sounder 1500 Calibrated</div> </div> <div> <div>Not Applicable</div> </div> <div> <div>Other</div> </div>						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Tidal Current Direction	1	-999999	REAL	Arc Degree	0	The tidal current direction at the time of the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level.
allowed values: -999999						
Tidal Current Direction 1 Hour After	1	-999999	REAL	Arc Degree	0	The tidal current direction 1 hour after the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
allowed values: -999999						
Tidal Current Direction 1 Hour Before	1	-999999	REAL	Arc Degree	0	The tidal current direction 1 hour before the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
allowed values: -999999						
Tidal Current Direction 2 Hours After	1	-999999	REAL	Arc Degree	0	The tidal current direction 2 hours after the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
allowed values: -999999						
Tidal Current Direction 2 Hours Before	1	-999999	REAL	Arc Degree	0	The tidal current direction 2 hours before the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
allowed values: -999999						
Tidal Current Direction 3 Hours After	1	-999999	REAL	Arc Degree	0	The tidal current direction 3 hours after the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
allowed values: -999999						
Tidal Current Direction 3 Hours Before	1	-999999	REAL	Arc Degree	0	The tidal current direction 3 hours before the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
allowed values: -999999						
Tidal Current Direction 4 Hours After	1	-999999	REAL	Arc Degree	0	The tidal current direction 4 hours after the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
allowed values: -999999						
Tidal Current Direction 4 Hours Before	1	-999999	REAL	Arc Degree	0	The tidal current direction 4 hours before the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
allowed values: -999999						

Tidal Current Direction 5 Hours After	1	-999999	REAL	Arc Degree	0	The tidal current direction 5 hours after the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<u>allowed values:</u> -999999						
Tidal Current Direction 5 Hours Before	1	-999999	REAL	Arc Degree	0	The tidal current direction 5 hours before the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<u>allowed values:</u> -999999						
Tidal Current Direction 6 Hours After	1	-999999	REAL	Arc Degree	0	The tidal current direction 6 hours after the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<u>allowed values:</u> -999999						
Tidal Current Speed	1	-999999	REAL	Knot	0	The tidal current speed at the time of the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level.
<u>allowed values:</u> -999999						
Tidal Current Speed 1 Hour After	1	-999999	REAL	Knot	0	The tidal current speed 1 hour after the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<u>allowed values:</u> -999999						
Tidal Current Speed 1 Hour Before	1	-999999	REAL	Knot	0	The tidal current speed 1 hour before the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<u>allowed values:</u> -999999						
Tidal Current Speed 2 Hours After	1	-999999	REAL	Knot	0	The tidal current speed 2 hours after the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<u>allowed values:</u> -999999						
Tidal Current Speed 2 Hours Before	1	-999999	REAL	Knot	0	The tidal current speed 2 hours before the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<u>allowed values:</u> -999999						
Tidal Current Speed 3 Hours After	1	-999999	REAL	Knot	0	The tidal current speed 3 hours after the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<u>allowed values:</u> -999999						
Tidal Current Speed 3 Hours Before	1	-999999	REAL	Knot	0	The tidal current speed 3 hours before the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<u>allowed values:</u> -999999						
Tidal Current Speed 4 Hours After	1	-999999	REAL	Knot	0	The tidal current speed 4 hours after the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<u>allowed values:</u> -999999						
Tidal Current Speed 4 Hours Before	1	-999999	REAL	Knot	0	The tidal current speed 4 hours before the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<u>allowed values:</u> -999999						
Tidal Current Speed 5 Hours After	1	-999999	REAL	Knot	0	The tidal current speed 5 hours after the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<u>allowed values:</u> -999999						
Tidal Current Speed 5 Hours Before	1	-999999	REAL	Knot	0	The tidal current speed 5 hours before the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<u>allowed values:</u> -999999						
Tidal Current Speed 6 Hours After	1	-999999	REAL	Knot	0	The tidal current speed 6 hours after the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<u>allowed values:</u> -999999						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<u>allowed values:</u> No Information						
Hydrographic Depth : Sounding Metadata : Vessel Draft Correction	1	No Information	Boolean	Unitless	0	An indication that a vessel draft correction has been applied.
<u>allowed values:</u> False No Information True						

Relationships: WaterMovementDataLocation (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 WaterMovementDataLocation (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 WaterMovementDataLocation (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 WaterMovementDataLocation (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 WaterMovementDataLocation (Point 00) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup 00)
 WaterMovementDataLocation (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 WaterMovementDataLocation (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature WaterRace (Line 00)New ☐ Water Race

An artificial channel for a current of water, especially one built to provide water for industrial or agricultural purposes or for transporting water-borne materials. [Description] For example, a sluice, a flume, or a tailrace.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre		The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999						
New Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre		The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999						
New Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density		The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999						
New Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre		The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	BH065	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH065						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Hydrologic Persistence	1	No Information	Enumeration	Unitless		The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i> Dry Perennial			<i>Ephemeral</i>			Intermittent No Information
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

	<u>allowed values:</u> -999999						
	Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
	<u>allowed values:</u> False			No Information			True
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre		The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<u>allowed values:</u> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
New	Water Resource Information : pH of Water	1	-999999	Real	Milligrams per Litre		The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<u>allowed values:</u> -999999						
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<u>allowed values:</u> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
	Relative Level	1	No Information	Enumeration	Unitless		The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
	<u>allowed values:</u> Depressed Raised			Level			No Information Not Applicable
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<u>allowed values:</u> U						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
	<u>allowed values:</u> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.

<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<u>allowed values:</u> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<u>allowed values:</u> No Information						
New Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre		The mass of sulfate ions per volume of solution.
<u>allowed values:</u> -999999						
Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.
<u>allowed values:</u> False			No Information		True	
New Water Resource Information : Temperature	1	-999999	Real	Degree Celsius		The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<u>allowed values:</u> -999999						
New Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre		The total mass of dissolved inorganic chemical constituents per volume of solution.
<u>allowed values:</u> -999999						
New Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units		The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<u>allowed values:</u> -999999						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<u>allowed values:</u> No Information						
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<u>allowed values:</u> Above Surface			Below Ground Surface		No Information	
New Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime		The electrical conductivity of water.
<u>allowed values:</u> -999999						
New Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre		The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
<u>allowed values:</u> -999999						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless		The potability of water based on the type of treatment required before it is safe for human consumption.
<u>allowed values:</u> Contaminated Potable			No Information Treatable		Nonpotable	
					Other	
Water Race Type	1	No Information	Enumeration	Unitless	0	The type of a water race based on its structure and/or intended purpose.
<u>allowed values:</u> Flume Tailrace			Headrace		No Information	
					Sluice	
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless		The type of available water based on its composition.

New	allowed values:	Alkaline Mineral Saline		Brackish No Information Seawater		Brine Not Applicable		Fresh Other
	Water Resource Information : Water Use	3	No Information	Enumeration	Unitless	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.		
	allowed values:	Agricultural Irrigation Institutional Other		Commercial Livestock Power Generation		Domestic Irrigation Municipal Recreational		Industrial No Information Sanitary Domestic
	Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	
	allowed values:	-999999						

Relationships: WaterRace (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 WaterRace (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 WaterRace (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 WaterRace (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 WaterRace (Line 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 WaterRace (Line 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 WaterRace (Line 00) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup 00)

Feature WaterTower (Area 00)

New ☐ **Water Tower**

A tower supporting an elevated storage tank of water.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
allowed values:			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values:						-999999
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
allowed values:						-999999
New Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
allowed values:						-999999
New Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
allowed values:						-999999
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
allowed values:			Civilian National Public			International No Information State
						Joint Military and Civilian Other
						Military Private
New Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN ⁻ . These are powerful poisons that are toxic to humans and aquatic life.

<u>allowed values:</u> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<u>allowed values:</u> No Information Partially Operational						
New Feature Code	1	AM080	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AM080						
Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Geographic Name Type	2	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Other						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<u>allowed values:</u> Ephemeral						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
New Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<u>allowed values:</u> -999999						
Margin Number	1	-999999	Integer	Unitless		The numeric identifier used to relate a feature instance to additional information about that feature instance that may be presented along the margin (outside the neat line) of a map or chart sheet on which that feature instance is portrayed. [Description] The scope of uniqueness may only be within the map or chart sheet.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False						
No Information						
True						

New	Water Resource Information : pH of Water	1	-999999	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<u>allowed values:</u> -999999						
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<u>allowed values:</u> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation	Intact Under Construction
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<u>allowed values:</u> U						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
	<u>allowed values:</u> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
	<u>allowed values:</u> No Information						
	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
	<u>allowed values:</u> No Information						
	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
	<u>allowed values:</u> No Information						
	Structure Shape	1	No Information	Enumeration	Unitless	0	The geometric form, appearance, and/or configuration of the feature as a whole.
	<u>allowed values:</u> Cylindrical on Tower No Information			Cylindrical with Conical Top Other		Cylindrical with Domed Top Spherical	Cylindrical with Flat Top Spherical on Column
New	Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
	<u>allowed values:</u> -999999						

	Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.
	<i>allowed values:</i> False			No Information			True
New	Water Resource Information : Temperature	1	-999999	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<i>allowed values:</i> -999999						
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<i>allowed values:</i> No Information						
	Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
	<i>allowed values:</i> No Information						
	Volume	1	-999999	REAL	Cubic Metre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	0	The electrical conductivity of water.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<i>allowed values:</i> -999999						
	Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
	<i>allowed values:</i> Contaminated Potable			No Information Treatable			Nonpotable Other
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
	<i>allowed values:</i> Alkaline No Information			Brackish Other			Fresh Saline Mineral
New	Water Resource Information : Water Use	3	No Information	Enumeration	Unitless		The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.
	<i>allowed values:</i> Agricultural Irrigation Institutional Other			Commercial Livestock Power Generation			Domestic Irrigation Municipal Recreational Industrial No Information Sanitary Domestic
	Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: WaterTower (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 WaterTower (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 WaterTower (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 WaterTower (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 WaterTower (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 WaterTower (Area 00) - is a member of group - Exactly one - StorageSrf (FeatureGroup 00)

Feature WaterTower (Point 00)New ☐ Water Tower**A tower supporting an elevated storage tank of water.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> <i>False</i>			<i>No Information</i>			<i>True</i>
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999						
New Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999						
New Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International <i>No Information</i> State			Joint Military and Civilian <i>Other</i> Military Private
New Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> <i>No Information</i> <i>Partially Operational</i>			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AM080	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> <i>AM080</i>						
Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> <i>No Information</i>						
Geographic Name Type	2	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional <i>Other</i>			Historical Transliterated Provisional			Native Transliterated Unverified Transliterated <i>No Information</i> Variant Transliterated

	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999						
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999						
	Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<i>allowed values:</i> <i>Ephemeral</i>			Intermittent			No Information Perennial
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<i>allowed values:</i> -999999						
	Margin Number	1	-999999	Integer	Unitless		The numeric identifier used to relate a feature instance to additional information about that feature instance that may be presented along the margin (outside the neat line) of a map or chart sheet on which that feature instance is portrayed. [Description] The scope of uniqueness may only be within the map or chart sheet.
	<i>allowed values:</i> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
New	Water Resource Information : pH of Water	1	-999999	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<i>allowed values:</i> -999999						
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<i>allowed values:</i> <i>Damaged</i> No Information <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>			<i>Dismantled</i> <i>Site Preparation</i> <i>Intact</i> <i>Under Construction</i>
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<i>allowed values:</i> <i>U</i>						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:	No Information						
Structure Shape	1	No Information	Enumeration	Unitless	0	The geometric form, appearance, and/or configuration of the feature as a whole.	
allowed values:	Cylindrical on Tower No Information		Cylindrical with Conical Top Other			Cylindrical with Domed Top Spherical Cylindrical with Flat Top Spherical on Column	
Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.	
allowed values:	-999999						
Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.	
allowed values:	False		No Information			True	
Water Resource Information : Temperature	1	-999999	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.	
allowed values:	-999999						
Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.	
allowed values:	-999999						
Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).	
allowed values:	-999999						

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
<i>allowed values:</i> No Information						
Volume	1	-999999	REAL	Cubic Metre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
<i>allowed values:</i> -999999						
New Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	0	The electrical conductivity of water.
<i>allowed values:</i> -999999						
New Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
<i>allowed values:</i> -999999						
Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable No Information Treatable Nonpotable Other						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline No Information Brackish Other Fresh Saline Mineral						
New Water Resource Information : Water Use	3	No Information	Enumeration	Unitless		The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional Other Commercial Livestock Power Generation Domestic Irrigation Municipal Recreational Industrial No Information Sanitary Domestic						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: WaterTower (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 WaterTower (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 WaterTower (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 WaterTower (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 WaterTower (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 WaterTower (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 WaterTower (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 WaterTower (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 WaterTower (Point 00) - is a member of group - Exactly one - StoragePnt (FeatureGroup 00)

Feature WaterTreatmentBed (Area 00)

New ☐ Water Treatment Bed

A tract for the treatment of water that consists of a bed of material where water is aerated or filtered.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre		The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999						
Average Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999, -999999]			No Information			
New Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre		The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999						
New Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density		The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999						
New Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre		The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999						
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	BH040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH040						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
New Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre		The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Water Resource Information : pH of Water	1	-999999	Real	Milligrams per Litre		The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						

New	Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre		The mass of sulfate ions per volume of solution.
	<u>allowed values:</u>	-999999					
New	Water Resource Information : Temperature	1	-999999	Real	Degree Celsius		The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
	<u>allowed values:</u>	-999999					
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre		The total mass of dissolved inorganic chemical constituents per volume of solution.
	<u>allowed values:</u>	-999999					
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units		The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<u>allowed values:</u>	-999999					
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<u>allowed values:</u>	No Information					
	Volume	1	-999999	REAL	Cubic Metre		The volume of a feature. [Description] For example, the storage capacity of a water tower.
	<u>allowed values:</u>	-999999					
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime		The electrical conductivity of water.
	<u>allowed values:</u>	-999999					
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre		The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<u>allowed values:</u>	-999999					
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless		The type of available water based on its composition.
	<u>allowed values:</u>	Alkaline Mineral Saline		Brackish No Information Seawater		Brine Not Applicable Fresh Other	
	Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
	<u>allowed values:</u>	-999999					

Relationships: WaterTreatmentBed (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 WaterTreatmentBed (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 WaterTreatmentBed (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 WaterTreatmentBed (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 WaterTreatmentBed (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 WaterTreatmentBed (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 WaterTreatmentBed (Area 00) - is a member of group - Exactly one - IndustrySrf (FeatureGroup 00)
 WaterTreatmentBed (Area 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)

Feature WaterTurbulence (Area 00)

New ☐ Water Turbulence**A disturbance of water caused by the interaction of any combination of waves, currents, eddies, tidal streams, wind, shoals, and obstructions.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Feature Code	1	BG012	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BG012						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
U.S. National Oceanic and Atmospheric Administration						
U.S. Northern Command (USNORTHCOM)						
U.S. Strategic Command (USSTRATCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<u>allowed values:</u> No Information						

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<u>allowed values:</u> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<u>allowed values:</u> No Information						
Water Turbulence Type	1	No Information	Enumeration	Unitless		The type of a water disturbance caused by the interaction of any combination of waves, currents, eddies, tidal streams, wind, shoals, and obstructions. [Description] May be used as a means of subtyping Feature: 'Water Turbulence'.
<u>allowed values:</u> Breakers			Eddies		No Information	Other
Relationships: WaterTurbulence (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00) WaterTurbulence (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00) WaterTurbulence (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00) WaterTurbulence (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00) WaterTurbulence (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00) WaterTurbulence (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00) WaterTurbulence (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)						

Feature WaterTurbulence (Line 00)New ☐ Water Turbulence**A disturbance of water caused by the interaction of any combination of waves, currents, eddies, tidal streams, wind, shoals, and obstructions.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Feature Code	1	BG012	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BG012						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Water Turbulence Type	1	No Information	Enumeration	Unitless		The type of a water disturbance caused by the interaction of any combination of waves, currents, eddies, tidal streams, wind, shoals, and obstructions. [Description] May be used as a means of subtyping Feature: 'Water Turbulence'.
allowed values: Breakers			Eddies		No Information	Other

Relationships: WaterTurbulence (Line 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 WaterTurbulence (Line 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 WaterTurbulence (Line 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 WaterTurbulence (Line 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 WaterTurbulence (Line 00) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup 00)
 WaterTurbulence (Line 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 WaterTurbulence (Line 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature WaterTurbulence (Point 00)

New ☐ Water Turbulence

A disturbance of water caused by the interaction of any combination of waves, currents, eddies, tidal streams, wind, shoals, and obstructions.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New Feature Code	1	BG012	CONSTRAINED_STRING	Unitless	5	Feature Code

allowed values: BG012

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

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

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

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
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allowed values: U

Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
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<u>allowed values:</u>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
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Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
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allowed values: No Information

Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
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allowed values: No Information

Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
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allowed values: No Information

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
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allowed values: No Information

Water Turbulence Type	1	No Information	Enumeration	Unitless		The type of a water disturbance caused by the interaction of any combination of waves, currents, eddies, tidal streams, wind, shoals, and obstructions. [Description] May be used as a means of subtyping Feature: 'Water Turbulence'.
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allowed values: Breakers

Eddies

No Information

Other

Relationships: WaterTurbulence (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 WaterTurbulence (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 WaterTurbulence (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 WaterTurbulence (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 WaterTurbulence (Point 00) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup 00)
 WaterTurbulence (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
 WaterTurbulence (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
 WaterTurbulence (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature WaterWell (Area 00)New ☐ Water Well

A shaft sunk into the ground to reach and tap a supply of water intended for uses other than power generation, heating or the extraction of minerals. [Description] May be, for example, drilled to tap deep underground reservoirs or dug to reach a shallow water table. Dug wells are typically circular, lined with masonry, have a stone border and a structure built above then for lowering and raising a bucket.

	Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
New	Water Resource Information : Aquifer Name	1	No Information	String	Unitless	254	The common or scientific name of an aquifer.
	<i>allowed values:</i> No Information						
	<i>allowed values:</i> No Information						
	Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<i>allowed values:</i> -999999						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Military Other Private
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN ⁻ . These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i> -999999						
New	Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Device Power Type	1	No Information	Enumeration	Unitless	0	The method by the device is powered, if any.
	<i>allowed values:</i> Compressed Air No Information			Electricity Other			Gravity Petroleum Product Manual Steam

New	Water Resource Information : Device Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the device and the underlying ground (terrain), liquid or waterbody bottom.
	<i>allowed values:</i>						<i>Above Surface</i> <i>On Waterbody Bottom</i> <i>Below Ground Surface</i> <i>Other</i> <i>No Information</i> <i>Submerged</i> <i>On Surface</i>
	Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
	<i>allowed values:</i>						<i>No Information</i> <i>Partially Operational</i> <i>Non-operational</i> <i>Planned</i> <i>Not in Operation</i> <i>Temporarily Non-operational</i> <i>Operational</i>
New	Feature Code	1	BH230	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<i>allowed values:</i>						<i>BH230</i>
	Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i>						<i>No Information</i>
	Geographic Name Type	2	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i>						<i>Conventional</i> <i>Other</i> <i>Historical Transliterated</i> <i>Provisional</i> <i>Native Transliterated</i> <i>Unverified Transliterated</i> <i>No Information</i> <i>Variant Transliterated</i>
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i>						<i>-999999</i>
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i>						<i>-999999</i>
	Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<i>allowed values:</i>						<i>Dry</i> <i>Intermittent</i> <i>No Information</i> <i>Perennial</i>
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i>						<i>-999999</i>
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<i>allowed values:</i>						<i>-999999</i>
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i>						<i>No Information</i>
	Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i>						<i>No Information</i>
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i>						<i>False</i> <i>No Information</i> <i>True</i>

New	Water Resource Information : pH of Water	1	-999999	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<u>allowed values:</u> -999999						
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<u>allowed values:</u> <i>Damaged</i> No Information <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>		<i>Dismantled</i> <i>Site Preparation</i>	<i>Intact</i> <i>Under Construction</i>
New	Water Resource Information : Pump Type	1	No Information	Enumeration	Unitless	0	The type of pump used to move liquid or semi-liquid material from one location to another.
	<u>allowed values:</u> <i>Airlift</i> No Information <i>Turbine</i>			<i>Centrifugal</i> <i>Other</i> <i>Vacuum</i>		<i>Gravity</i> <i>Reciprocating</i>	<i>Jet</i> <i>Rotary</i>
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<u>allowed values:</u> U						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
	<u>allowed values:</u> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
	<u>allowed values:</u> No Information						
	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
	<u>allowed values:</u> No Information						
	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
	<u>allowed values:</u> No Information						
New	Water Resource Information : Static Water Level	1	-999999	Real	Metre	0	The natural level of the water table in a well, measured with respect to surface level when water is not being actively withdrawn. [Description] May be a positive value when an artesian aquifer is tapped and the resulting pressure is sufficient to raise the water in a connected tube above the surface level.

<i>allowed values:</i> -999999							
<i>allowed values:</i> -999999							
New	Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999							
New	Water Resource Information : Temperature	1	-999999	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999							
	Terrain Surface Material	3	No Information	Enumeration	Unitless		The type(s) of material that compose the surface layer of the terrain.
<i>allowed values:</i> Asphalt Evaporite Loess Paved				Bedrock Frozen Water Mud Rock	Boulders Gravel No Information Sand	Concrete Lava Flow Other Soil	
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999							
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999							
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information							
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	0	The electrical conductivity of water.
<i>allowed values:</i> -999999							
New	Water Resource Information : Water Flow	1	-999999	Real	Litres per Minute	0	The rate of water flow through or exiting from a feature.
<i>allowed values:</i> -999999							
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
<i>allowed values:</i> -999999							
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable				No Information Treatable	Nonpotable	Other	
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Seawater				Brackish No Information	Brine Not Applicable	Fresh Saline	
New	Water Resource Information : Water Use	3	No Information	Enumeration	Unitless		The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.

							<i>allowed values:</i> <i>Agricultural Irrigation</i> <i>Institutional</i> <i>Other</i>	<i>Commercial</i> <i>Livestock</i> <i>Power Generation</i>	<i>Domestic Irrigation</i> <i>Municipal</i> <i>Recreational</i>	<i>Industrial</i> <i>No Information</i> <i>Sanitary Domestic</i>	
New	Water Well Construction Description	1	No Information	String	Unitless	2E+09	A narrative or other textual description of the screening, casing, and/or finishing of a water well. [Description] A well screen is system of mesh screening or holes designed to allow water to enter a well or borehole without undue loss of head while excluding sand, silt, and other geologic material. Normally, well screens are required only in relatively unconsolidated materials. A well casing is the tubular structure placed in the drilled hole to maintain the well opening. The casing also confines the ground water to its zone underground and prevents underground or surface water contaminants from mixing with the well water.				
							<i>allowed values:</i> <i>No Information</i>				
							<i>allowed values:</i> <i>No Information</i>				
New	Well Morphology	3	No Information	Enumerations	Unitless	0	The type(s) and/or morphology(ies) of terrain material that surround a well shaft.				
							<i>allowed values:</i> <i>Basalt</i> <i>Dolomite</i> <i>Karst</i> <i>Mud</i> <i>Schist</i>	<i>Boulders</i> <i>Granite</i> <i>Limestone</i> <i>No Information</i> <i>Semi-consolidated and Consolidated Volcanic Ash</i>	<i>Clay</i> <i>Gravel</i> <i>Marl</i> <i>Other</i> <i>Unconsolidated</i>	<i>Conglomerate</i> <i>Igneous Rock</i> <i>Metamorphic Rock</i> <i>Sand</i> <i>Volcanic Rock</i>	
							<i>allowed values:</i> <i>Artesian</i> <i>No Information</i>	<i>Drilled</i> <i>Other</i>	<i>Dug</i> <i>Walled-in</i>	<i>Dug or Drilled</i>	
	Well Type	1	No Information	Enumeration	Unitless	0	The type of a well, generally based on method of construction.				
	Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.				

allowed values: -999999

Relationships: WaterWell (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 WaterWell (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 WaterWell (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 WaterWell (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 WaterWell (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 WaterWell (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)

Feature WaterWell (Point 00)New ☐ Water Well

A shaft sunk into the ground to reach and tap a supply of water intended for uses other than power generation, heating or the extraction of minerals. [Description] May be, for example, drilled to tap deep underground reservoirs or dug to reach a shallow water table. Dug wells are typically circular, lined with masonry, have a stone border and a structure built above then for lowering and raising a bucket.

Attribute		Cardinality	Default	Data Type	Units	Length	Attribute Definition
New	Aquifer Name	1	No Information	String	Unitless	2E+09	The common or scientific name of an aquifer.
		<i>allowed values:</i> No Information					
		<i>allowed values:</i> No Information					
	Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
		<i>allowed values:</i> -999999					
New	Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
		<i>allowed values:</i> -999999					

New	Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<i>allowed values:</i> -999999						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i> -999999						
New	Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Device Power Type	1	No Information	Enumeration	Unitless	0	The method by the device is powered, if any.
	<i>allowed values:</i> Compressed Air No Information			Electricity Other			Gravity Petroleum Product Manual Steam
New	Water Resource Information : Device Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the device and the underlying ground (terrain), liquid or waterbody bottom.
	<i>allowed values:</i> Above Surface On Waterbody Bottom			Below Ground Surface Other			No Information Submerged On Surface
	Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	BH230	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BH230						
	Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
	Geographic Name Type	2	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Other			Historical Transliterated Provisional			Native Transliterated Unverified Transliterated No Information Variant Transliterated
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999						
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999						

	Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<i>allowed values:</i> Dry			Intermittent			No Information Perennial
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999						
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<i>allowed values:</i> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
New	Water Resource Information : pH of Water	1	-999999	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<i>allowed values:</i> -999999						
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
New	Water Resource Information : Pump Type	1	No Information	Enumeration	Unitless	0	The type of pump used to move liquid or semi-liquid material from one location to another.
	<i>allowed values:</i> Airlift No Information Turbine			Centrifugal Other Vacuum			Gravity Reciprocating Jet Rotary
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<i>allowed values:</i> U						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
New Water Resource Information : Static Water Level	1	-999999	Real	Metre	0	The natural level of the water table in a well, measured with respect to surface level when water is not being actively withdrawn. [Description] May be a positive value when an artesian aquifer is tapped and the resulting pressure is sufficient to raise the water in a connected tube above the surface level.
allowed values: -999999						
allowed values: -999999						
New Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
allowed values: -999999						
New Water Resource Information : Temperature	1	-999999	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
allowed values: -999999						
Terrain Surface Material	3	No Information	Enumeration	Unitless		The type(s) of material that compose the surface layer of the terrain.
allowed values:						
Asphalt			Bedrock			Boulders
Evaporite			Frozen Water			Gravel
Loess			Mud			No Information
Paved			Rock			Sand
						Concrete
						Lava Flow
						Other
						Soil
New Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
allowed values: -999999						
New Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
allowed values: -999999						

	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<i>allowed values:</i>	No Information					
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	0	The electrical conductivity of water.
	<i>allowed values:</i>	-999999					
New	Water Resource Information : Water Flow	1	-999999	Real	Litres per Minute	0	The rate of water flow through or exiting from a feature.
	<i>allowed values:</i>	-999999					
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<i>allowed values:</i>	-999999					
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
	<i>allowed values:</i>	Contaminated Potable		No Information Treatable		Nonpotable	Other
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
	<i>allowed values:</i>	Alkaline Mineral Seawater		Brackish No Information		Brine Not Applicable	Fresh Saline
New	Water Resource Information : Water Use	3	No Information	Enumeration	Unitless		The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.
	<i>allowed values:</i>	Agricultural Irrigation Institutional Other		Commercial Livestock Power Generation		Domestic Irrigation Municipal Recreational	Industrial No Information Sanitary Domestic
New	Water Well Construction Description	1	No Information	String	Unitless	2E+09	A narrative or other textual description of the screening, casing, and/or finishing of a water well. [Description] A well screen is system of mesh screening or holes designed to allow water to enter a well or borehole without undue loss of head while excluding sand, silt, and other geologic material. Normally, well screens are required only in relatively unconsolidated materials. A well casing is the tubular structure placed in the drilled hole to maintain the well opening. The casing also confines the ground water to its zone underground and prevents underground or surface water contaminants from mixing with the well water.
	<i>allowed values:</i>	No Information					
	<i>allowed values:</i>	No Information					
New	Well Morphology	3	No Information	Enumerations	Unitless	0	The type(s) and/or morphology(ies) of terrain material that surround a well shaft.
	<i>allowed values:</i>	Basalt Dolomite Karst Mud Schist		Boulders Granite Limestone No Information Semi-consolidated and Consolidated Volcanic Ash		Clay Gravel Marl Other Unconsolidated	Conglomerate Igneous Rock Metamorphic Rock Sand Volcanic Rock
	Well Type	1	No Information	Enumeration	Unitless	0	The type of a well, generally based on method of construction.
	<i>allowed values:</i>	Artesian No Information		Drilled Other		Dug Walled-in	Dug or Drilled

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: WaterWell (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 WaterWell (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 WaterWell (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 WaterWell (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 WaterWell (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 WaterWell (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 WaterWell (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 WaterWell (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 WaterWell (Point 00) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup 00)

Feature Waterwork (Area 00)

New ☐ Waterwork

An establishment for storing, purifying, and supplying an area or town with water.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999						
Average Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999, -999999]			No Information			
New Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999						
New Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian National Public			International No Information State			Joint Military and Civilian Other Military Private
New Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999						
New Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.
<i>allowed values:</i> -999999						

	Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
	<i>allowed values:</i>	No Information Partially Operational		Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New	Feature Code	1	BH220	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i>	BH220					
	Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i>	No Information					
	Geographic Name Type	2	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i>	Conventional Other		Historical Transliterated Provisional			Native Transliterated Unverified Transliterated No Information Variant Transliterated
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i>	-999999					
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i>	-999999					
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i>	-999999					
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<i>allowed values:</i>	-999999					
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i>	No Information					
	Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i>	No Information					
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i>	False		No Information			True
New	Water Resource Information : pH of Water	1	-999999	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<i>allowed values:</i>	-999999					
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<i>allowed values:</i>	Damaged No Information Unmaintained		Destroyed Ruined			Dismantled Site Preparation Intact Under Construction

	Predominant Average Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average water velocity, exclusive of high water due to runoff or low water due to drought.		
	<i>allowed values:</i>	[-999999, -999999]		No Information					
	Predominant Maximum Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.		
	<i>allowed values:</i>	[-999999, -999999]		No Information					
	Predominant Maximum Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.		
	<i>allowed values:</i>	[-999999, -999999]		No Information					
	Predominant Minimum Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.		
	<i>allowed values:</i>	[-999999, -999999]		No Information					
New	Water Resource Information : Pump Type	1	No Information	Enumeration	Unitless		The type of pump used to move liquid or semi-liquid material from one location to another.		
	<i>allowed values:</i>	Airlift No Information Turbine		Centrifugal Other Vacuum		Gravity Reciprocating	Jet Rotary		
New	Water Resource Information : Purification Process	1	No Information	Enumeration	Unitless		Water purification process		
	<i>allowed values:</i>	Blending Filtration No Information Vapor Compression		Desalination Freezing Other		Disinfection Multi-effect evaporation Reverse Osmosis	Electrolysis Multi-stage flash Sedimentation/coagulation		
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.		
	<i>allowed values:</i>	U							
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.		
	<i>allowed values:</i>	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)	
	Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.		
	<i>allowed values:</i>	No Information							

	Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
	<u>allowed values:</u> No Information						
	Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
	<u>allowed values:</u> No Information						
New	Water Resource Information : Sulfate Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Temperature	1	-999999	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Total Dissolved Solids	1	-999999	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Turbidity	1	-999999	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<u>allowed values:</u> -999999						
	Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
	<u>allowed values:</u> No Information						
New	Water Resource Information : Water Conductivity	1	-999999	Real	MicroSiemens per Centime	0	The electrical conductivity of water.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Water Flow	1	-999999	Real	Cubic Metres per Second		The rate of water flow through or exiting from a feature.
	<u>allowed values:</u> -999999						
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<u>allowed values:</u> -999999						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless		The potability of water based on the type of treatment required before it is safe for human consumption.
	<u>allowed values:</u> Contaminated Potable			No Information Treatable		Nonpotable	Other
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless		The type of available water based on its composition.
	<u>allowed values:</u> Alkaline Mineral Saline			Brackish No Information Seawater		Brine Not Applicable	Fresh Other
New	Water Resource Information : Water Use	3	No Information	Enumeration	Unitless		The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.

allowed values: Agricultural Irrigation
Institutional
Other

Commercial
Livestock
Power Generation

Domestic Irrigation
Municipal
Recreational

Industrial
No Information
Sanitary Domestic

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

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

Microwave Radio Relay
Radio Broadcast

Mobile Phone
Radio Telephone

No Information
Radio-telegraph

Relationships: Waterwork (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
Waterwork (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
Waterwork (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
Waterwork (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
Waterwork (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
Waterwork (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
Waterwork (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
Waterwork (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
Waterwork (Area 00) - is a member of group - Exactly one - UtilityInfrastructureSrf (FeatureGroup 00)

Feature Waterwork (Point 00)

New ☐ Waterwork

An establishment for storing, purifying, and supplying an area or town with water.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
allowed values: No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999						
New Water Resource Information : Arsenic Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
allowed values: -999999						
Average Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
allowed values: [-999999, -999999]			No Information			
New Water Resource Information : Chloride Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
allowed values: -999999						
New Water Resource Information : Coliform Concentration	1	-999999	Real	Coliform Microbial Density	0	The number of coliform bacteria per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of man and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
allowed values: -999999						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).

	<i>allowed values:</i> Civilian National Public		International No Information State				Joint Military and Civilian Other	Military Private
New	Water Resource Information : Cyanide Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.	
	<i>allowed values:</i> -999999							
New	Deepest Depth Below Surface Level	1	-999999	Real	Metre		The distance measured from the surface ground or water level (uphill/upstream side of the feature) to the deepest point of the feature.	
	<i>allowed values:</i> -999999							
	Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.	
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational	Operational
New	Feature Code	1	BH220	CONSTRAINED_STRING	Unitless	5	Feature Code	
	<i>allowed values:</i> BH220							
	Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.	
	<i>allowed values:</i> No Information							
	Geographic Name Type	2	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.	
	<i>allowed values:</i> Conventional Other			Historical Transliterated Provisional			Native Transliterated Unverified Transliterated	No Information Variant Transliterated
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
	<i>allowed values:</i> -999999							
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
	<i>allowed values:</i> -999999							
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
	<i>allowed values:</i> -999999							
New	Water Resource Information : Magnesium Concentration	1	-999999	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.	
	<i>allowed values:</i> -999999							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
	<i>allowed values:</i> No Information							
	Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
	<i>allowed values:</i> No Information							
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
	<i>allowed values:</i> False			No Information			True	

New	Water Resource Information : pH of Water	1	-999999	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more basic and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<i>allowed values:</i> -999999						
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
	<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
	Predominant Average Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average water velocity, exclusive of high water due to runoff or low water due to drought.
	<i>allowed values:</i> [-999999, -999999]			No Information			
	Predominant Maximum Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	<i>allowed values:</i> [-999999, -999999]			No Information			
	Predominant Maximum Water Velocity	1	[-999999, -999999]	Real_Interval	Metres per Second		The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.
	<i>allowed values:</i> [-999999, -999999]						
	Predominant Minimum Water Depth	1	[-999999, -999999]	Real_Interval	Metre		The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	<i>allowed values:</i> [-999999, -999999]			No Information			
New	Water Resource Information : Pump Type	1	No Information	Enumeration	Unitless		The type of pump used to move liquid or semi-liquid material from one location to another.
	<i>allowed values:</i> Airlift No Information Turbine			Centrifugal Other Vacuum			Gravity Reciprocating Jet Rotary
New	Water Resource Information : Purification Process	1	No Information	Enumeration	Unitless		Water purification process
	<i>allowed values:</i> Blending Filtration No Information Vapor Compression			Desalination Freezing Other			Disinfection Multi-effect evaporation Reverse Osmosis Electrolysis Multi-stage flash Sedimentation/coagulation
	Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
	<i>allowed values:</i> U						
	Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)	
U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration	
U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)	
U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)	
U.S. Transportation Command (USTRANSCOM)				
Restriction Information : Security Attributes Group (resource non-intelligence community markings)				
allowed values:	No Information			
Restriction Information : Security Attributes Group (resource owner-producer)				
allowed values:	No Information			
Specified Domain Values(s)				
allowed values:	No Information			
Water Resource Information : Sulfate Concentration				
allowed values:	-999999			
Water Resource Information : Temperature				
allowed values:	-999999			
Water Resource Information : Total Dissolved Solids				
allowed values:	-999999			
Water Resource Information : Turbidity				
allowed values:	-999999			
Unique Entity Identifier				
allowed values:	No Information			
Water Resource Information : Water Conductivity				
allowed values:	-999999			

New	Water Resource Information : Water Flow	1	-999999	Real	Cubic Metres per Second		The rate of water flow through or exiting from a feature.
	<i>allowed values:</i>	-999999					
New	Water Resource Information : Water Hardness	1	-999999	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water). The term 'hardness' comes from the fact that it is hard to form bubbles ('suds') using soap or detergents in 'hard' water.
	<i>allowed values:</i>	-999999					
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless		The potability of water based on the type of treatment required before it is safe for human consumption.
	<i>allowed values:</i>	Contaminated Potable		No Information Treatable		Nonpotable	Other
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless		The type of available water based on its composition.
	<i>allowed values:</i>	Alkaline Mineral Saline		Brackish No Information Seawater		Brine Not Applicable	Fresh Other
New	Water Resource Information : Water Use	3	No Information	Enumeration	Unitless		The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing and irrigation.
	<i>allowed values:</i>	Agricultural Irrigation Institutional Other		Commercial Livestock Power Generation		Domestic Irrigation Municipal Recreational	Industrial No Information Sanitary Domestic
	Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
	<i>allowed values:</i>	-999999					
	Wireless Telecommunication Information : Wireless Telecommunication Type	1	No Information	Enumeration	Unitless	0	The type of a wireless telecommunication service based on the mechanism(s) of transmission and/or the nature of the communication(s) supported. [Description] For example, radio broadcast or mobile phone service.
	<i>allowed values:</i>	Cellular Phone Other Television (TV)		Microwave Radio Relay Radio Broadcast		Mobile Phone Radio Telephone	No Information Radio-telegraph

Relationships: Waterwork (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Waterwork (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Waterwork (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Waterwork (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Waterwork (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Waterwork (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Waterwork (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Waterwork (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Waterwork (Point 00) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup 00)

Feature WeighStation (Area 00) New ☐ Weigh Station

A building and associated equipment that is used to inspect and weigh motor vehicles. [Description] Located adjacent to a road and used to enforce a variety of motor vehicle safety regulations. Motor vehicles may be weighed by driving them onto a platform.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
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	Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
	<u>allowed values:</u>	No Information					
	Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
	<u>allowed values:</u>	-999999					
	Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
	<u>allowed values:</u>	-999999					
	Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
	<u>allowed values:</u>	No Information		Non-operational Planned	Not in Operation Temporarily Non-operational		Operational
New	Feature Code	1	AQ180	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u>	AQ180					
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<u>allowed values:</u>	No Information		Other	Railway Transport		Road Transport
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u>	No Information					
	Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u>	-999999					
	Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u>	-999999					
	Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u>	-999999					
New	Manufactured Building	1	No Information	Boolean	Unitless	0	An indication that a building is free-standing (detached) and self-contained and is built in a factory and then towed by a tractor to its semi-permanent site.
	<u>allowed values:</u>	FALSE		No Information	TRUE		
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u>	No Information					
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u>	No Information					
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u>	False		No Information	True		
New	Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.

allowed values:	<i>Damaged</i> No Information <i>Unmaintained</i>			<i>Destroyed</i> <i>Ruined</i>		<i>Dismantled</i> <i>Site Preparation</i>	<i>Intact</i> <i>Under Construction</i>
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.	
allowed values:	<i>U</i>						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.	
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) <i>No Information</i> Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) <i>Other</i> U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	<i>No Information</i>						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	<i>No Information</i>						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.	
allowed values:	Conical Flat with Parapet Pitched with Clerestory With Clerestory With Steeple		Domed <i>No Information</i> Pyramidal With Cupola With Tower		Flat <i>Other</i> Sawtoothed With Minaret With Turret		Flat with Clerestory Pitched Semi-cylindrical With Smokestack
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:	<i>No Information</i>						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values:	<i>No Information</i>						

Vehicle Scale Count	1	-999999	REAL	Unitless	0	The number of vehicle scales at a weigh station. [Description] A weigh station is a building and associated equipment that is used to inspect and weigh motor vehicles. It is located adjacent to a road and used to enforce a variety of motor vehicle safety regulations. Motor vehicles may be weighed by driving them onto a platform.
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allowed values: -999999

Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999

Relationships: WeighStation (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 WeighStation (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 WeighStation (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 WeighStation (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 WeighStation (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 WeighStation (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 WeighStation (Area 00) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup 00)

Feature WeighStation (Point 00)

New ☐ Weigh Station

A building and associated equipment that is used to inspect and weigh motor vehicles. [Description] Located adjacent to a road and used to enforce a variety of motor vehicle safety regulations. Motor vehicles may be weighed by driving them onto a platform.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AQ180	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ180						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> No Information			Other			Railway Transport Road Transport
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.

allowed values: -999999

Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
New Manufactured Building	1	No Information	Boolean	Unitless	0	An indication that a building is free-standing (detached) and self-contained and is built in a factory and then towed by a tractor to its semi-permanent site.
<i>allowed values:</i> FALSE			No Information		TRUE	
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined		Dismantled Site Preparation Intact Under Construction	
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)						
Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)						
Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)						
Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)						

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical Flat with Parapet Pitched with Clerestory With Clerestory With Steeple			Domed No Information Pyramidal With Cupola With Tower			Flat Other Sawtoothed With Minaret With Turret Flat with Clerestory Pitched Semi-cylindrical With Smokestack
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vehicle Scale Count	1	-999999	REAL	Unitless	0	The number of vehicle scales at a weigh station. [Description] A weigh station is a building and associated equipment that is used to inspect and weigh motor vehicles. It is located adjacent to a road and used to enforce a variety of motor vehicle safety regulations. Motor vehicles may be weighed by driving them onto a platform.
<i>allowed values:</i> -999999						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: WeighStation (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 WeighStation (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 WeighStation (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 WeighStation (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 WeighStation (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 WeighStation (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 WeighStation (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 WeighStation (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 WeighStation (Point 00) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup 00)

Feature WindFarm (Area 00)New ☐ Wind Farm**A collection of windmotors that are collocated and are organized as a single power generation unit.**

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

allowed values: No Information

Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AD060	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AD060						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: WindFarm (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 WindFarm (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 WindFarm (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 WindFarm (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 WindFarm (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 WindFarm (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 WindFarm (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 WindFarm (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 WindFarm (Area 00) - is a member of group - Exactly one - UtilityInfrastructureSrf (FeatureGroup 00)

Feature WindFarm (Point 00)

New ☐ Wind Farm

A collection of windmotors that are collocated and are organized as a single power generation unit.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AD060	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AD060						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values: -999999						

Relationships: WindFarm (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 WindFarm (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 WindFarm (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 WindFarm (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 WindFarm (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 WindFarm (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 WindFarm (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 WindFarm (Point 00) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup 00)

Feature Windmill (Area 00)New ☐ Windmill**A system of vanes attached to a tower and driven by wind (excluding wind turbines).**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AJ050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AJ050						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Milled Grain			No Information			Other Water
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)			Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)			Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Tower Shape	1	No Information	Enumeration	Unitless	0	The general shape and/or structure of a tower.
<i>allowed values:</i> Mast Tripod			No Information Truss			Other Tubular Tower Mill

Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum Masonry Steel			Brick Metal Stone			Concrete No Information Wood Iron Other
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Windmill (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Windmill (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Windmill (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Windmill (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Windmill (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Windmill (Area 00) - is a member of group - Exactly one - AgricultureSrf (FeatureGroup 00)

Feature Windmill (Point 00)New ☐ Windmill**A system of vanes attached to a tower and driven by wind (excluding wind turbines).**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AJ050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AJ050						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.

<u>allowed values:</u> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False						
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<u>allowed values:</u> Damaged No Information Unmaintained						
<u>allowed values:</u> Destroyed Ruined						
<u>allowed values:</u> Dismantled Site Preparation						
<u>allowed values:</u> Intact Under Construction						
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<u>allowed values:</u> Milled Grain						
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> Other						
<u>allowed values:</u> Water						
<u>allowed values:</u> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)		Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)		Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)		Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.	
allowed values:	No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.	
allowed values:	No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.	
allowed values:	No Information						
Tower Shape	1	No Information	Enumeration	Unitless	0	The general shape and/or structure of a tower.	
allowed values:	Mast Tripod		No Information Truss			Other Tubular	Tower Mill
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.	
allowed values:	No Information						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).	
allowed values:	Aluminum Masonry Steel		Brick Metal Stone			Concrete No Information Wood	Iron Other
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.	
allowed values:	No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	
allowed values:	-999999						

Relationships: Windmill (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Windmill (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Windmill (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Windmill (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Windmill (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Windmill (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Windmill (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Windmill (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Windmill (Point 00) - is a member of group - Exactly one - AgriculturePnt (FeatureGroup 00)

Feature WindTurbine (Point 00) New ☐ Wind Turbine

A tower and associated equipment that generates electrical power from wind.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AJ051	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AJ051						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Guyed	1	No Information	Boolean	Unitless	0	An indication that an object is guided, secured, or steadied by guy wires.
<i>allowed values:</i> False			No Information			True
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Location Referenced to Shoreline	1	No Information	Enumeration	Unitless	0	The location of an object in relation to a land water boundary.
<i>allowed values:</i> At Shoreline			Inland			No Information Offshore

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<i>allowed values:</i>						
Army Geographic Agency (Netherlands)			Army Geographic Centre (Spain)			Army Geographic Institute (Portugal)
Defence Acquisition and Logistics Organization (Denmark)			Defence Geographic Centre Intelligence Collection Group (United Kingdom)			Defence Imagery and Geospatial Organisation (Australia)
General Command of Mapping (Turkey)			Geographic Service (Belgium)			Geographic Service of the Czech Armed Forces (Czech Republic)
Geospatial Intelligence Organisation (New Zealand)			Hellenic Military Geographic Service (Greece)			Joint Geography Bureau (France)
Mapping Service (Hungary)			Military Geographic Group (Estonia)			Military Geographic Service (Norway)
Military Mapping Centre (Lithuania)			Military Topographic Directorate (Romania)			Military Topographic Service (Bulgaria)
No Information			Other			Swedish Armed Forces (Sweden)
Topographic Service (Finland)			U.S. Africa Command (USAFRICOM)			U.S. Air Force
U.S. Army Geospatial Center (AGC)			U.S. Central Command (USCENTCOM)			U.S. Central Intelligence Agency (CIA)
U.S. Defense Intelligence Agency (DIA)			U.S. Department of Energy (DOE)			U.S. Department of Homeland Security (DHS)
U.S. European Command (USEUCOM)			U.S. Federal Bureau of Investigation (FBI)			U.S. Geological Survey (USGS)
U.S. Marine Corps			U.S. National Civil Applications Program (NCAP)			U.S. National Geospatial-Intelligence Agency (NGA)
U.S. National Reconnaissance Office (NRO)			U.S. National Security Agency (NSA)			U.S. Navy
U.S. Pacific Command (PACOM)			U.S. Southern Command (USSOUTHCOM)			U.S. Special Operations Command (USSOCOM)
U.S. Transportation Command (USTRANSCOM)						
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Tower Shape	1	No Information	Enumeration	Unitless	0	The general shape and/or structure of a tower.

<i>allowed values:</i> Mast Truss			No Information Tubular			Other Tripod
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum Iron Other Stone			Brick Masonry Prestressed Concrete Treated Timber			Concrete Metal Reinforced Concrete Wood Fibreglass No Information Steel
Vertical Obstruction Identifier	1	No Information	String	Unitless	14	Identification code that uniquely identifies a feature that is a vertical obstruction to low-level flight. [Description] Although parts of the identifier include digits it can also consist of non-numeric characters.
<i>allowed values:</i> No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: WindTurbine (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 WindTurbine (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 WindTurbine (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 WindTurbine (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 WindTurbine (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 WindTurbine (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 WindTurbine (Point 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 WindTurbine (Point 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 WindTurbine (Point 00) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup 00)

Feature Wreck (Area 00)

New ☐ Wreck

The ruined remains of a stranded or sunken vessel that has been rendered useless.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Bathymetric Measurement Quality Category	3	No Information	Enumeration	Unitless		A general evaluation of the qualities of a bathymetric measurement, as a category. [Description] Drying heights are typically captured using negative (bathymetric) sounding values; their certainty of measurement may be categorized in the same manner as positive values.
<i>allowed values:</i> Depth Known Other			Depth Unknown Safe Clearance Known			No Information Not Applicable
Hydrographic Base Height : Sounding Metadata : Bathymetric Measurement Technique	3	No Information	Enumeration	Unitless		The technique used to determine water depth(s).
<i>allowed values:</i> Area Swept by Wire-drag			Depth Known by Other Than Wire Drag			No Information Other
Dangerous to Navigation	1	No Information	Boolean	Unitless	0	An indication that a hazard in a waterbody is considered to be dangerous to surface navigation. [Description] For example, broken piles, a rock formation, or a reef in moderately deep waters. For large vessels a depth of less than 20 metres is generally considered to be dangerous.

<u>allowed values:</u> <i>False</i>			No Information			<i>True</i>
Delineation Known	1	No Information	Boolean	Unitless	0	An indication that the delineation (for example: limits and information) of a feature is known.
<u>allowed values:</u> <i>FALSE</i>			No Information			<i>TRUE</i>
New Feature Code	1	BD180	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> <i>BD180</i>						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> <i>No Information</i>						
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<u>allowed values:</u> <i>-999999</i>						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> <i>-999999</i>						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> <i>No Information</i>						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> <i>No Information</i>						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> <i>U</i>						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u>	<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) <i>No Information</i> Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) <i>Other</i> U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>					

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Hydrographic Vertical Positioning Information : Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.
<i>allowed values:</i> Always Dry No Information			Always Submerged Other			Awash at Low Water Covers and Uncovers
Wreck or Hulk Exposure	1	No Information	Enumeration	Unitless		The portion of a wreck or hulk that is persistently showing above the water surface.
<i>allowed values:</i> Funnel Showing No Information			Hull Showing Other			Masts and Funnel Showing Superstructure Showing Masts Showing

Relationships: Wreck (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
Wreck (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
Wreck (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
Wreck (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
Wreck (Area 00) - is a member of group - Exactly one - HydrographySrf (FeatureGroup 00)
Wreck (Area 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
Wreck (Area 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature Wreck (Point 00)

New ☐ Wreck

The ruined remains of a stranded or sunken vessel that has been rendered useless.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Bathymetric Measurement Quality Category	3	No Information	Enumeration	Unitless		A general evaluation of the qualities of a bathymetric measurement, as a category. [Description] Drying heights are typically captured using negative (bathymetric) sounding values; their certainty of measurement may be categorized in the same manner as positive values.
<i>allowed values:</i> Depth Known Other			Depth Unknown Safe Clearance Known			No Information Not Applicable
Hydrographic Base Height : Sounding Metadata : Bathymetric Measurement Technique	3	No Information	Enumeration	Unitless		The technique used to determine water depth(s).
<i>allowed values:</i> Area Swept by Wire-drag			Depth Known by Other Than Wire Drag			No Information Other

Dangerous to Navigation	1	No Information	Boolean	Unitless	0	An indication that a hazard in a waterbody is considered to be dangerous to surface navigation. [Description] For example, broken piles, a rock formation, or a reef in moderately deep waters. For large vessels a depth of less than 20 metres is generally considered to be dangerous.
<u>allowed values:</u> <i>False</i>			No Information			<i>True</i>
Delineation Known	1	No Information	Boolean	Unitless	0	An indication that the delineation (for example: limits and information) of a feature is known.
<u>allowed values:</u> <i>FALSE</i>			No Information			<i>TRUE</i>
New Feature Code	1	BD180	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> <i>BD180</i>						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> <i>No Information</i>						
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999	Real	Metre		The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<u>allowed values:</u> <i>-999999</i>						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> <i>-999999</i>						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> <i>No Information</i>						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> <i>No Information</i>						
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<u>allowed values:</u> <i>U</i>						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
<u>allowed values:</u>	<div> Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) No Information Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM) </div> <div> Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) Other U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM) </div> <div> Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM) </div> <div> Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM) </div>					

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
<i>allowed values:</i> No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
<i>allowed values:</i> No Information						
Hydrographic Vertical Positioning Information : Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.
<i>allowed values:</i> Always Dry No Information			Always Submerged Other			Awash at Low Water Covers and Uncovers
Wreck or Hulk Exposure	1	No Information	Enumeration	Unitless		The portion of a wreck or hulk that is persistently showing above the water surface.
<i>allowed values:</i> Funnel Showing No Information			Hull Showing Other			Masts and Funnel Showing Superstructure Showing Masts Showing

Relationships: Wreck (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
Wreck (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
Wreck (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
Wreck (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
Wreck (Point 00) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup 00)
Wreck (Point 00) - is an extended member of configuration level - Exactly one - TDSGlobal (Feature 00)
Wreck (Point 00) - is an extended member of configuration level - Exactly one - TDSRegional (Feature 00)
Wreck (Point 00) - is an extended member of configuration level - Exactly one - TDSLocal (Feature 00)
Wreck (Point 00) - is an extended member of configuration level - Exactly one - TDSSpecialized (Feature 00)

Feature Zoo (Area 00)

New ☐ Zoo

A site where wild animals are kept for exhibition to the public, that may also support breeding and/or study.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AK180	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK180						

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction
Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
<i>allowed values:</i> U						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.

allowed values:	Army Geographic Agency (Netherlands)	Army Geographic Centre (Spain)	Army Geographic Institute (Portugal)	Bundeswehr Geoinformation Office (Germany)
	Defence Acquisition and Logistics Organization (Denmark)	Defence Geographic Centre Intelligence Collection Group (United Kingdom)	Defence Imagery and Geospatial Organisation (Australia)	Defense Information Security (Italy)
	General Command of Mapping (Turkey)	Geographic Service (Belgium)	Geographic Service of the Czech Armed Forces (Czech Republic)	Geospatial Information Agency (Latvia)
	Geospatial Intelligence Organisation (New Zealand)	Hellenic Military Geographic Service (Greece)	Joint Geography Bureau (France)	Mapping and Charting Establishment (Canada)
	Mapping Service (Hungary)	Military Geographic Group (Estonia)	Military Geographic Service (Norway)	Military Geography Division (Poland)
	Military Mapping Centre (Lithuania)	Military Topographic Directorate (Romania)	Military Topographic Service (Bulgaria)	National Army Topographic Service (Moldova)
	No Information	Other	Swedish Armed Forces (Sweden)	Topographic Institute (Slovakia)
	Topographic Service (Finland)	U.S. Africa Command (USAFRICOM)	U.S. Air Force	U.S. Army
	U.S. Army Geospatial Center (AGC)	U.S. Central Command (USCENTCOM)	U.S. Central Intelligence Agency (CIA)	U.S. Coast Guard
	U.S. Defense Intelligence Agency (DIA)	U.S. Department of Energy (DOE)	U.S. Department of Homeland Security (DHS)	U.S. Department of State
	U.S. European Command (USEUCOM)	U.S. Federal Bureau of Investigation (FBI)	U.S. Geological Survey (USGS)	U.S. Joint Forces Command (USJFCOM)
	U.S. Marine Corps	U.S. National Civil Applications Program (NCAP)	U.S. National Geospatial-Intelligence Agency (NGA)	U.S. National Oceanic and Atmospheric Administration
	U.S. National Reconnaissance Office (NRO)	U.S. National Security Agency (NSA)	U.S. Navy	U.S. Northern Command (USNORTHCOM)
	U.S. Pacific Command (PACOM)	U.S. Southern Command (USSOUTHCOM)	U.S. Special Operations Command (USSOCOM)	U.S. Strategic Command (USSTRATCOM)
	U.S. Transportation Command (USTRANSCOM)			

Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: No Information						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: No Information						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: No Information						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: No Information						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999

Relationships: Zoo (Area 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
 Zoo (Area 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
 Zoo (Area 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
 Zoo (Area 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
 Zoo (Area 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
 Zoo (Area 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
 Zoo (Area 00) - is a member of configuration level - Exactly one - TDSLocal (Feature 00)
 Zoo (Area 00) - is a member of configuration level - Exactly one - TDSSpecialized (Feature 00)
 Zoo (Area 00) - is a member of group - Exactly one - RecreationSrf (FeatureGroup 00)

Feature Zoo (Point 00)

New ☐ Zoo

A site where wild animals are kept for exhibition to the public, that may also support breeding and/or study.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999						
Facility Operational Status	1	No Information	Enumeration	Unitless		The status of operation of a facility, as a whole.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational <i>Operational</i>
New Feature Code	1	AK180	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK180						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
Height Above Surface Level	1	-999999	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999						
Highest Elevation	1	-999999	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999						
Length	1	-999999	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, and/or location make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information			No Information			True
New Physical Condition	1	No Information	Enumeration	Unitless		The physical state of a structure, or site, as a whole.
<i>allowed values:</i> Damaged No Information Unmaintained			Destroyed Ruined			Dismantled Site Preparation Intact Under Construction

Restriction Information : Security Attributes Group (resource classification)	1	U	String	Unitless	8	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information.
allowed values: <i>U</i>						
Process Step Information : Resource Content Originator	1	No Information	Enumeration	Unitless	0	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'.
allowed values:	Army Geographic Agency (Netherlands) Defence Acquisition and Logistics Organization (Denmark) General Command of Mapping (Turkey) Geospatial Intelligence Organisation (New Zealand) Mapping Service (Hungary) Military Mapping Centre (Lithuania) <i>No Information</i> Topographic Service (Finland) U.S. Army Geospatial Center (AGC) U.S. Defense Intelligence Agency (DIA) U.S. European Command (USEUCOM) U.S. Marine Corps U.S. National Reconnaissance Office (NRO) U.S. Pacific Command (PACOM) U.S. Transportation Command (USTRANSCOM)	Army Geographic Centre (Spain) Defence Geographic Centre Intelligence Collection Group (United Kingdom) Geographic Service (Belgium) Hellenic Military Geographic Service (Greece) Military Geographic Group (Estonia) Military Topographic Directorate (Romania) <i>Other</i> U.S. Africa Command (USAFRICOM) U.S. Central Command (USCENTCOM) U.S. Department of Energy (DOE) U.S. Federal Bureau of Investigation (FBI) U.S. National Civil Applications Program (NCAP) U.S. National Security Agency (NSA) U.S. Southern Command (USSOUTHCOM)	Army Geographic Institute (Portugal) Defence Imagery and Geospatial Organisation (Australia) Geographic Service of the Czech Armed Forces (Czech Republic) Joint Geography Bureau (France) Military Geographic Service (Norway) Military Topographic Service (Bulgaria) Swedish Armed Forces (Sweden) U.S. Air Force U.S. Central Intelligence Agency (CIA) U.S. Department of Homeland Security (DHS) U.S. Geological Survey (USGS) U.S. National Geospatial-Intelligence Agency (NGA) U.S. Navy U.S. Special Operations Command (USSOCOM)	Bundeswehr Geoinformation Office (Germany) Defense Information Security (Italy) Geospatial Information Agency (Latvia) Mapping and Charting Establishment (Canada) Military Geography Division (Poland) National Army Topographic Service (Moldova) Topographic Institute (Slovakia) U.S. Army U.S. Coast Guard U.S. Department of State U.S. Joint Forces Command (USJFCOM) U.S. National Oceanic and Atmospheric Administration U.S. Northern Command (USNORTHCOM) U.S. Strategic Command (USSTRATCOM)		
Restriction Information : Security Attributes Group (resource non-intelligence community markings)	1	No Information	String	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy.
allowed values: <i>No Information</i>						
Restriction Information : Security Attributes Group (resource owner-producer)	1	No Information	String	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource.
allowed values: <i>No Information</i>						
Specified Domain Values(s)	1	No Information	String	Unitless	2E+09	One or more intended attribute enumerant values for one or more enumerated attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute enumerant values may have been previously, or may become in the future, valid members of the attribute enumerant range.
allowed values: <i>No Information</i>						
Unique Entity Identifier	1	No Information	String	Unitless	254	The globally unique and persistent identifier of an entity (for example: feature or event) instance as specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. [Description] It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures.
allowed values: <i>No Information</i>						
Width	1	-999999	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values: <i>-999999</i>						

Relationships: Zoo (Point 00) - has attribute metadata in - Zero or more - FeatureAttGAMetadata (Area 00)
Zoo (Point 00) - has feature metadata in - Zero or more - FeatureGAMetadata (Area 00)
Zoo (Point 00) - has metadata in - Zero or more - NonSpatialMdEntCollect (Area 00)
Zoo (Point 00) - has metadata in - Exactly one - SpatialMdEntCollect (Area 00)
Zoo (Point 00) - is a member of configuration level - Exactly one - TDSGlobal (Feature 00)
Zoo (Point 00) - is a member of configuration level - Exactly one - TDSRegional (Feature 00)
Zoo (Point 00) - is a member of group - Exactly one - RecreationPnt (FeatureGroup 00)